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GOVERNOR



HAROLD LEGGETT, PH.D.
SECRETARY

State of Louisiana

DEPARTMENT OF ENVIRONMENTAL QUALITY ENVIRONMENTAL SERVICES

Certified Mail No.

Agency Interest No. 2366
Activity No.: PER20080002

Mr. J. B. Hagmann
Refinery Manager
Placid Refining Company, L.L.C
1940 Highway No. 1 North
Port Allen, Louisiana 70767

RE: Part 70 Permit Modification, Port Allen Refinery, Placid Refining Company, L.L.C, Port Allen,
West Baton Rouge Parish, Louisiana

Dear Mr. Hagmann:

This is to inform you that the permit modification for the above referenced facility has been approved under LAC 33:III.501. The submittal was approved on the basis of the application submitted and the approval in no way relieves the applicant of the obligation to comply all the applicable requirements.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the 15th of August, 2010, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and date of issue cited below and the AI No. 2366 should be referenced in future correspondence regarding this facility.

Done this _____ day of _____, 2008.

Permit No.: 3120-00012-V6

Sincerely,

Cheryl Sonnier Nolan
Assistant Secretary

SGQ

c: US EPA Region VI

**AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**PORT ALLEN REFINERY
AGENCY INTEREST NO. 2366
PLACID REFINING COMPANY, L.L.C
PORT ALLEN, WEST BATON ROUGE PARISH, LOUISIANA**

I. BACKGROUND

Placid Refining Company, L.L.C (Placid) owns and operates a petroleum refinery in Port Allen. Placid is currently operating under Permit No. 3120-00012-V5 dated April 11, 2008; Prevention of Significant Deterioration (PSD) Permit No. PSD-LA-11 dated May 9, 1977; and PSD-LA-522 dated January 17, 1985.

II. ORIGIN

A permit application and Emission Inventory Questionnaire (EIQ) dated April 22, 2008 was received requesting a modification to the current Part 70 permit. Additional information as of August 8, 2008 was also received.

III. DESCRIPTION

The Placid Refinery consists of several units to refine the crude oil. The crude oil is heated in the Crude Unit through heat exchangers and gas fired heaters and produces Light Petroleum Gases (LPG), light naphtha, kerosene, diesel, Atmospheric Gas Oil (AGO), and residual crude. The facility operations based on units are as follows:

CRUDE UNIT: Crude oil from Placid's four crude tanks is pumped into a common line. The crude oil is then heated to approximately 225 degrees F using heat exchangers and sent to the desalters. Placid has a first stage and second stage desalter, which operates with counter current flow. Desalting is carried out by mixing the crude oil with water under pressure to prevent vaporization of hydrocarbons or water. Salts present in the crude oil are dissolved into the water and then the water and oil phases are separated.

Crude oil is further heated to approximately 380 degrees F with heat exchangers and sent to a preflash tower. LPG, light naphtha, and some heavy naphtha are removed from the crude oil in the preflash tower. The crude from the preflashed tower is further heated to approximately 670 degrees F in a gas-fired heater and sent to the crude tower. The crude heater uses fuel gas as the heat medium. Products from the crude tower are heavy naphtha, kerosene, diesel, and atmospheric gas oil (AGO). The crude tower bottom, No. 6 oil or reduced crude, is sent to the vacuum unit.

The light naphtha is further processed in the crude debutanizer, which produces Light Straight Run (LSR) for gasoline blending and LPG. The heavy naphtha is sent to the reformer where it is upgraded to high-octane gasoline. Kerosene is sent to the jet fuel

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napfiner where naphthenic acids are removed to produce military jet fuels. Diesel is sent to the diesel hydrotreater to produce very low sulfur diesel or sent to storage as high sulfur diesel. AGO is sent to the rerun tower along with some Light Vacuum Gas Oil (LVGO) where it is fractionated into diesel and gas oil. From the rerun tower, the gas oil is sent to the Fluidized Catalytic Cracking Unit (FCCU) or storage.

FLUIDIZED CATALYTIC CRACKING (FCC) UNIT: The AGO, LVGO, Heavy Vacuum Gas Oil (HVGO), and Deasphaltic Oil (DAO) are preheated and then contacted with hot FCC catalyst. The oil vaporizes and cracks as it forms a fluidized mixture with the catalyst and rises through the reactor. The oil is separated from the catalyst inside the reactor through the use of cyclones. The cracked products are recovered and purified by the downstream fractionation train. During the cracking process, coke is formed on the catalyst rendering it inactive. The catalyst is regenerated by burning the coke off the catalyst in the regenerator. Regenerated catalyst is recycled back to the reactor while catalyst fines from the regenerator become entrained in the flue gas and are captured by the Belco wet flue gas scrubber. Fines from the scrubber are collected in a roll-off bin and transported off site as solid waste. The equilibrium catalyst is collected in a hopper and transported off-site. The column fraction with the highest boiling point, obtained from condensing the reactor overhead, contains small amounts of catalyst and catalyst fines. The majority of the catalyst and fines are separated from the slurry by the slurry settler and returned to the reactor as recycle. The slurry product is sent to storage where it is combined with other products and sold as No. 6 fuel oil.

VACUUM UNIT: Reduced crude is pumped from the vacuum unit surge drum to a series of heat exchangers for preheating. It is then sent to a vacuum heater where the reduced crude is heated to 775 degrees F. The reduced crude is then sent to the vacuum tower for fractionation into gas oils (LVGO and HVGO). LVGO is sent to the rerun tower, the FCCU, and to storage. HVGO is sent to storage or to the FCCU. Overhead slop oil is returned to the crude charge tanks. Vacuum tower bottoms is sent to the Residual Oil Supercritical Extraction (ROSE) Unit.

ROSE UNIT: In this unit a solvent is used at high pressure to extract gas oil from the vacuum bottoms while leaving behind asphaltene/resin (A/R). The DAO is then sent to the FCCU while the A/R is mixed with slurry oil from the FCCU to make No. 6 fuel oil. Vacuum tower bottoms is sent to a feed surge drum in the ROSE Unit. From the surge drum, the ROSE feed is mixed with n-butane solvent and fed to the A/R separator at high pressure and low temperature. In the A/R separator, DAO plus solvent are removed from the top of the separator while A/R is removed from the bottom of the separator. The

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DAO plus solvent is then sent to the DAO separator where the DAO and solvents are separated at high pressure and high temperature. A majority of the solvent is recovered in the DAO separator and is cooled and sent back to the A/R separator. The DAO and any remaining solvent are sent to a DAO stripper where the DAO is steam stripped of solvent at low pressure and high temperature. The DAO product is then sent to the FCCU while any recovered solvent and steam are cooled and sent to the stripper knock out drum, which separates the solvent from the water. The solvent is then pumped back to the solvent surge drum for reuse. The A/R from the bottom of the A/R separator is sent to an A/R stripper where any solvent is steam stripped from the A/R at low pressure and high temperature. The A/R bottoms is mixed with slurry oil from the FCCU and sent to storage as No. 6 fuel oil. Any recovered solvent and steam are cooled and sent to the stripper knock out drum, which separates the solvent from the water. The solvent is then pumped back to the solvent surge drum for reuse.

REFORMER UNIT: The reformer unit consists of two sections, the desulfurization section and the reformer section. Sour heavy naphtha from the Crude Unit is sent to a feed surge drum. Water is drained off the bottom of the drum. The feed from this drum is pumped, with the introduction of hydrogen at the pump outlet, to a series of heat exchangers. It enters the desulfurizer reactor, where a catalyst desulfurizes and sweetens the feed. The effluent enters the desulfurizer separator, which separates gases from the naphtha. Hydrogen and hydrogen sulfide are the top products and are sent to the FCCU gasoline hydrotreater.

The naphtha enters the desulfurizer stripper as the feed and the sweet naphtha is fed to a reboiler and the noncondensable gases are sent directly to fuel gas system or via the FCCU. The sweet naphtha from the desulfurizer stripper bottoms is mixed with hydrogen, heated and sent to the reformer reactor series. The reformer reactor effluent exiting the No. 3 reactor is cooled by using heat exchangers. The high pressure reactor effluent is then sent to the low pressure separator, where gas is separated from the liquid in the presence of a pressure drop. Liquid exits from the bottom. This liquid is pumped to a recontact drum along with hydrogen from the compressor discharge. Hydrogen and light gases are separated in this recontact drum and routed to fuel gas, the Hydro Desulfurizer (HDS) Unit, and the two Tail Gas Treating Units (TGTU). The liquid bottoms are sent to the reformer stabilizer after being heated in a heat exchanger. Noncondensable gases are used in fuel gas blending and the bottoms is reformate product and is pumped to storage.

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Unit No. 1 and rich amine is sent to the Amine Unit No. 1 for regeneration. Finally, the sulfur free off gas is combusted in the incinerator.

In Treater Area No. 2 the TGTU performs the same function as above, but takes feed from SRU No. 2. The tail gas is treated as described in the process above. The TGTU uses and returns the amine from Amine Unit No. 2.

HYDRO DESULFURIZATION UNIT: The HDS Unit strips sulfur compounds from virgin diesel fuel and light cycle oil from the FCC. Virgin diesel fuel and LCO are sent from the Crude Unit to a feed surge drum before mixing with hydrogen. The mixture is heated under pressure and sent to a reactor where the sulfur compounds react with hydrogen to form hydrogen sulfide. The reactor effluent is sent to a high pressure separator. Hydrogen sulfide gas is pulled off the top of the high pressure separator and sent to Amine Unit No. 2 and the recycle compressor for hydrogen recirculation. The liquid hydrocarbons from the high pressure separator are sent to a low pressure flash drum. Sour gas is pulled from the top of the flash drum and sent to Amine Unit No. 2. The bottoms of the flash drum feed a diesel stripper. Desulfurized diesel is pulled from the bottom of the stripper and sent to storage. The hydrogen sulfide from the top of the stripper is sent to an overhead compressor and then sent to Amine Unit No. 2 for further processing.

ALKYLATION UNIT: Olefins from the FCC debutanizer are first treated to remove mostly sulfur containing compounds and then routed to the C3/C4 splitter to remove most of the material lighter than C4. The heavier material is sent to the alkylation unit as LPG feed. The LPG feed first combines with an iC4 make up stream from storage and then passes through a feed dryer to remove any moisture. These streams are contacted with hydrofluoric acid (HF) in the reactors to form alkylate. The products are sent to a fractionation train where alkylate, nC4, C3, and HF are separated. HF in the stream is routed to the reactor system, while remaining products are routed to storage or for gasoline blending. The iC4 is recycled to the first reactor.

Ultra Low Sulfur Diesel (ULSD) Project: This project was approved under the Part 70 Operating Permit No. 3120-00012-V1 dated May 23, 2006.

Port Allen Refinery was issued an Authorization to Construct dated September 21, 2006, which allowed the facility to implement several projects including the facility-wide expansion and installation of environmental controls.

Under Part 70 Operating Permit No. 3120-00012-V2 date February 21, 2007, Port Allen Refinery was approved to increase the firing rate of the existing Hot Oil Heater (equipped

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with Low NO_x burners), Emission Point 2-82. This change allowed Port Allen Refinery to use the Hot Oil Heater for heat exchange and reduce the steam utilization from the existing boilers. There was no upstream or downstream increase in capacity or production.

Part 70 Operating Permit No. 3120-00012-V3 dated June 29, 2007, allowed the facility to increase the firing rate of the Charge Heater, Emission Point 2-91, from 20 to 30 MM BTU/hr average and 40 MM BTU/hr maximum. No new regulations were triggered and there was no change in monitoring, recordkeeping, or reporting requirements for the Charge Heater. Also, the facility added a new 3.13 MM gallon Tank, Emission Point 1-07. The emissions from this tank are being controlled by the existing Enclosed Vapor Combustor, Emission Point 1-91. In addition, the facility increased both the average and maximum firing rates for the Stripper Reboiler, Emission Point 3-91, from 15.5 to 32 MM BTU/hr average and 35 MM BTU/hr maximum, respectively.

Part 70 Permit No. 3120-00012-V4 dated September 18, 2007, allowed the facility to construct a new Refinery Cooling Tower No. 3 having a drift rate of 0.001% and a recirculation rate of 40,000 gpm. Other modifications were to change the recirculation rate of the existing cooling towers, Emission Points 1-02 and 2-02, to 20,000 and 40,000 gpm respectively; and the drift enhanced to 0.005% for both.

The facility is in the process of installing a wet scrubber as a control device to the FCC, Emission 1-77; adding a Hot Oil Heater, Emission Point 1-08; and updating fugitive component count due to the addition of Low Sulfur Cat Gas Hydrotreater Unit, Emission Point 2-08. In addition, the facility updated the emission rates for the Alkylation Unit Cooling Tower, Emission Point 1-02; Refinery Cooling Tower, Emission Point 2-02; and Refinery Cooling Tower No. 3, Emission Point 2-07 due to the change in calculation methodology and updated process parameters (recirculation rate) based on sampling performed for HAP concentrations.

The facility is proposing to increase the capacity of the refinery from 50,000 to 75,000 barrels per calendar day along with enhanced environmental controls (wet scrubber on the FCCU, external and internal floating roof tanks, closed vent system routed to a carbon adsorption system or the Enclosed Vapor Combustor, etc.). The facility is incorporating individual fugitive emissions into one emission point and also updating the toxic air pollutants emissions based on the Highly Reactive Volatile Organic Compound (HRVOC) audit conducted in June 2005.

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In addition, the facility is proposing to establish mass emission rates (CAPs) for all the tanks based on the petroleum product stored and in accordance with LAC 33:III.925 and also updating emissions based on stack test results and calculation methodology.

Port Allen Refinery is located in a nonattainment area, West Baton Rouge Parish, for ozone. Any modification to the facility that increases NO_x and VOC emissions above 25 tons per year must be reviewed based on the Nonattainment New Source Review (NNSR) requirements.

Estimated baseline actual (average of 2001/2002 for NO_x; average of 2002/2003 for SO₂; and an average of 2004/2005 for PM₁₀, CO and VOC) to potential emissions increase (taking a conservative approach) due to this project in tons per year is as follows:

<u>Pollutant</u>	<u>Baseline Actual</u>	<u>Permit (a) Emissions</u>	<u>Post Project Emissions</u>	<u>Emissions Increase</u>	<u>PSD/NNSR Deminimis</u>
PM ₁₀	70.57	100.87	70.93	+ 0.36	15
SO ₂	862.72	1174.78	259.95	- 602.77	40
NO _x	564.75	853.96	547.50	- 17.25	40/25
CO	186.50	310.53	283.14	+ 96.64	100
VOC	169.13	291.30	189.05	+ 19.92	25

(a) Effective permit limits during the baseline periods, 3120-00012-08, dated September 27, 1994. Baseline actual emissions are also less than limits established by Permit No. 3120-00012-V1; the permit in place prior to approve of the expansion project. Projects addressed in subsequent permits are considered to be part of the expansion project. The net effect of all such projects, including those addressed in this modification, does not result in a significant net emissions increase under PSD and NNSR.

Post project emissions indicate that there is a reduction in NO_x emissions and the increase in VOC emissions is less than significant threshold of 25 tons per year under Nonattainment New Source Review (NNSR). Therefore, NNSR is not required. Also, there is a reduction in criteria pollutant SO₂ emissions; and an increase in CO and PM₁₀ emissions which is less than the Prevention of Significant Deterioration (PSD) significance level of 100 tons per year and 15 tons per year, respectively. Therefore, PSD review is not required. The facility shall conduct compliance test on the scrubber to determine the operating parameters like liquid to gas ratio, pH, scrubber effluent temperature, number of ventures (if any); or any other relevant parameters to show compliance with the permitted limits of this permit.

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Permitted emissions change, due to the project referenced above, from the facility in tons per year are as follows:

<u>Pollutant</u>	<u>Before</u>	<u>After</u>	<u>Change</u>
PM ₁₀	74.02	70.94	- 3.08
SO ₂	281.62	259.95	- 21.67
NO _X	661.19	547.50	- 113.69
CO	421.27	283.14	- 138.13
VOC	351.07	189.05	- 162.02

VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):

<u>Pollutant</u>	<u>Before</u>	<u>After</u>	<u>Change</u>
1,2-Dichloroethane	0.20	0.18	- 0.02
1,3-Butadiene	0.29	2.65	+ 2.36
2,2,4-Trimethylpentane	0.03	0.50	+ 0.47
Benzene	6.37	3.62	- 2.75
Biphenyl	<0.01	<0.01	-
Bis(2-ethylhexyl)phthalate	<0.01	0.001	-
Chlorobenzene	0.20	0.18	- 0.02
Chloroform	0.20	0.18	- 0.02
Cumene	0.21	0.02	- 0.19
Cresol	<0.01	<0.01	-
Dibutyl phthalate	<0.01	<0.01	-
Ethyl benzene	0.85	0.47	- 0.38
Formaldehyde	0.35	0.53	+ 0.18
Methanol	<0.01	0.03	+0.03
Methyl tert butyl ether	0.26	-	- 0.26
n-Hexane	4.78	3.24	- 1.54
Naphthalene (and Methylnaphthalenes)	0.19	0.09	- 0.10

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VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):

Pollutant	Before	After	Change
Pentachloro-Phenol	<0.01	0.002	-
Phenol	0.13	0.14	+ 0.01
Styrene	<0.01	0.01	+ 0.01
Toluene	6.56	3.06	- 3.50
Xylene (mixed isomers)	0.89	0.29	- 0.60
Total	21.51	15.19	- 6.32

Non VOC Toxic Air Pollutants (TAPs)

Pollutant	Before	After	Change
1,1,1-Trichloroethane	0.20	0.18	- 0.02
Antimony (and compounds)	0.09	0.05	- 0.04
Arsenic (and compounds)	-	<0.001	+<0.001
Barium (and compounds)	-	<0.001	+<0.001
Beryllium (and compounds)	-	<0.001	+<0.001
Cadmium (and compounds)	-	<0.001	+<0.001
Carbon disulfide	-	0.04	+ 0.04
Carbonyl sulfide	-	0.08	+ 0.08
Chromium (and compounds)	-	<0.001	+<0.001
Cobalt compounds	-	<0.01	+<0.01
Copper (and compounds)	-	<0.001	+<0.001
Dichloromethane	0.20	0.18	- 0.02
Hydrofluoric acid	0.09	0.09	-
Hydrogen sulfide	-	0.50	+ 0.50
Lead (and compounds)	-	<0.01	+<0.01
Manganese (and compounds)	-	<0.01	+<0.01
Mercury (and compounds)	-	<0.001	+<0.001
Nickel (and compounds)	0.09	0.09	-

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Non VOC Toxic Air Pollutants (TAPs)

Pollutant	Before	After	Change
Selenium (and compounds)	-	<0.001	+<0.001
Sulfuric acid	0.74	1.11	+ 0.37
Tetrachloroethylene	0.20	0.18	- 0.02
Zinc (and compounds)	-	<0.01	+<0.01
Total	1.61	2.50	+ 0.85

Highly Reactive VOC (HRVOCs)

Butene (mixed isomers)	-	2.59	+ 2.59
Ethylene	<0.01	<0.01	-
1,3-Butadiene	0.29	2.65	+ 2.36
Propylene	0.40	4.04	+ 3.64
Total	0.70	9.29	+ 8.59

Other VOC (TPY): 167.23

IV. TYPE OF REVIEW

This permit was reviewed for compliance with Louisiana Air Quality Regulations and New Source Performance Standards (NSPS) and NESHAP. New Source Review does not apply.

Although the facility is presently a minor source of toxic air pollutants (TAP), it was a major source of TAP upon promulgation of LAC 33:III.Chapter 51. The facility shall comply with all the requirements of LAC 33:III.5105.A.1, 3, and 4; and 5113.

V. CREDIBLE EVIDENCE

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the

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appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

VI. PUBLIC NOTICE

A notice requesting public comment on the proposed permit was published in *The Advocate*, Baton Rouge, Louisiana and in the XXX, XXXX, Louisiana, on XXXX, 2008. The notice was also mailed to individuals and organizations on the mailing list of the facility and published in the Office of Environmental Services Public Notice Mailing List. The permit application, the proposed permit, and the Statement of Basis were submitted to the XXXX Parish Library on XXXX, 2008. The proposed permit and the Statement of Basis were submitted to United States Environmental Protection Agency (US EPA) Region 6. All comments will be considered prior to a permit decision.

VII. EFFECTS ON AMBIENT AIR

Previous dispersion modeling was performed in accordance with the state requirements under LAC 33:III.

Dispersion Model(s) Used:

Pollutant	Time Period	Calculated Maximum Ground Level Concentration	Louisiana Air Quality Standard and/or NAAQS
Formaldehyde	Annual	0.02 ug/m ³	7.69 ug/m ³
Benzene	Annual	0.19 ug/m ³	12 ug/m ³
SO ₂ , NO _x , and PM _{2.5}	24-hour	0.43 dv	0.50 dv

NAAQS – National Ambient Air Quality Standards

dv = Deciview, Best Available Retrofit Technology (BART under EPA Regional Haze Program)

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VIII. GENERAL CONDITION XVII ACTIVITIES

Activity	Frequency	VOC Emissions		PM Emissions	
		Lb/Activity	TPY	Lb/Activity	TPY
Sampling Procedures	25 samples/month	-	1.02	-	-
Pump Preparation	4 samples/month	-	2.30	-	-
Vessel Preparation	Once 1-10 years			-	-
Filter Replacement	Once 1-10 years	-		-	-
Instrument Maintenance	152 times/yr	-	0.03	-	-
Miscellaneous Equipment Preparation	52 times/yr	-	0.14	-	-
Equipment Cleaning	81 times/yr	-	0.06	-	-

IX. INSIGNIFICANT ACTIVITIES

<u>ID No.:</u>	<u>Description</u>	<u>Citation</u>
-	Heavy Organic Liquid Tanks <250 gal and <3.5psia	LAC 33:III.501.B.5.A.2
-	Laboratory Equipment/Vents	LAC 33:III.501.B.5.A.6

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Applicable Louisiana and Federal Air Quality Requirements

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Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III Chapter																			
		5	▲	9	11	13	15	2103	2111	2113	2115	2122	2139	2141	2108	2107	22	29*	51*	52	56
EQT026	2-77 A&B, Vacuum Crude Tower Heater				1	1	1												1	504/509 applies	
EQT027	4-77, Boiler No. 1/Gas Turbine-1				1	1	1												1	504/509 applies	
EQT028	5-77, Boiler No. 2/Gas Turbine-2				1	1	1												1	504/509 applies	
EQT029	6-77, Sulfur Recovery Unit Incinerator				1	1	1												2	504/509 applies	
EQT030	11-77, Tank No. 18																				
EQT031	12-77, Tank No. 23																				
EQT032	13-77, Tank No. 24																				
EQT033	1-82, Tank No. 940																				
EQT034	2-82, Hot Oil Heater																				
EQT035	3-82, Tank No. 25																				
EQT036	1-83, Tank No. 27																				
EQT037	2-83, Truck Loading Facility																	2	2135 & 2137 applies		
EQT038	1-85, FCCU Preheater																	1			
EQT039	2-85, Reformer Heater Stack																	1			
EQT040	4-85, Tank No. 26																				
EQT041	1-91, Enclosed Vapor Combustor																	1			
EQT042	2-91, Charge Heater																	1			
EQT043	3-91, Stripper Reboiler																				
EQT044	1-96, Tank 67																	1			
EQT045	2-96, Tank No. 4																	1			

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PLACID REFINING COMPANY, L.L.C
PORT ALLEN, WEST BATON ROUGE PARISH, LOUISIANA**

Applicable Louisiana and Federal Air Quality Requirements

ID No.	Description	LAC 33:III Chapter																		
		5	9	11	13	15	2103	2111	2113	2115	2122	2139	2141	2108	2107	22	29*	51*	52	56
EQT046	3-96, Tank No. 60																			
EQT047	4-96, Tank No. 61																			
EQT048	5-96, Tank No. 62																			
EQT049	8-96, Tank No. 3																			
EQT050	9-96, Tank No. 5																			
EQT051	10-96, Tank No. 6																			
EQT052	11-96, Tank No. 7																			
EQT053	12-96, Tank No. 64																			
EQT054	13-96, Tank No. 941																			
EQT056	1-97, Tank No. 63																			
EQT057	1-01, Tank No. 28																			
EQT058	2-01, Tank No. 2																			
EQT059	1-02, Alkylation Unit Cooling Towers																			
EQT060	2-02, Refinery Cooling Tower																			
EQT061	3-02, Tank No. 100 Pressure Vessel (PV)																			
EQT062	4-02, Tank No. 101 (PV)																			
EQT063	5-02, Tank No. 102 (PV)																			
EQT064	6-02, Tank No. 103 (PV)																			
EQT065	7-02, Tank No. 104 (PV)																			

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Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III.Chapter																								
		5 ▲	9	11	13	15	2103	2111	2113	2115	2122	2139	2141	2108	2107	22	29*	51*	52	56	59					
EQT066	8-02, Tank No. 105 (PV)																									
EQT067	9-02, Tank No. 106 (PV)																									
EQT068	10-02, Tank No. 107 (PV)																									
EQT069	11-02, Tank No. 108 (PV)																									
EQT070	12-02, Tank No. 109 (PV)																									
EQT071	13-02, Tank No. 110 (PV)																									
EQT072	14-02, Tank No. 111 (PV)																									
EQT073	15-02, Tank No. 112, (PV)																									
EQT074	16-02, Tank No. 113																									
EQT075	17-02, Tank No. 114 (PV)																									
EQT076	18-02, Tank No. 115 (PV)																									
EQT077	19-02, Tank No. 116 (PV)																									
EQT078	20-02, Tank No. 117 (PV)																									
EQT079	1-07, Tank No. 1																									
EQT080	2-07, Refinery Cooling Tower No. 3																									
EQT81	1-08, No. 2 Hot Oil Heater																									
EQT082	3-08, Gas Oil Heater Unit																									
EQT083	4-08, No. 3 Boiler																									
EQT084	5-08, Sulfur Recovery Unit Incinerator No. 2																									
EQT085	6-08, Charge Heater No. 2																									

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Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III. Chapter																					
		5	▲	9	11	13	15	2103	2111	2113	2115	2122	2139	2141	2108	2107	22	29*	51*	52	56	59	
EQT086	7-08, No 2 Flare Stack				1	1	1			1							2						
EQT087	8-08, Carbon Adsorption System							1								1		2					
EQT088	9-08, Tank No. 29								1														
EQT089	10-08, Tank No. 30									2													
EQT090	11-08, Tank No. 118 (PV)										2												
EQT091	12-08, Tank No. 119 (PV)										2												
FUG001	-8 , Fugitive Emission													1									

KEY TO MATRIX

- 1 - The regulations have applicable requirements which apply to this particular emission source.
-The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 - The regulations have applicable requirements which apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criteria, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 - The regulations apply to this general type of emission source (i.e. vents, furnaces, and fugitives) but do not apply to this particular emission source.
Blank - The regulations clearly do not apply to this type of emission source.

* The regulations indicated above are State Only regulations.

- ▲ All LAC 33:III. Chapter S citations are federally enforceable including LAC 33:III S01.C.6 citations, except when the requirement found in the "Specific Requirements" report specifically states that the regulation is State Only.

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X. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS												40 CFR 61				40 CFR 63 NESHAP				40 CFR			
		A	Db	J	K	Ka	Kb	GG	XX	GGGa	QQQ	A	M	V	FF	A	3Us	J	Q	Y	CC	52	64	68	82
UNF001	Facility Wide	1						2				2	1	1		1	1	1	2		2		1	1	
EQT005	1-74A&B, Crude Heaters							1																	
EQT006	8-74, Tank No. 12											1	2	2											
EQT007	9-74, Tank No. 11											1	2	2											
EQT008	10-74, Tank No. 8											2	2	2											
EQT009	11-74, Tank No. 10											1	2	2											
EQT010	12-74, Tank No. 13											2	2	1											
EQT011	13-74, Tank No. 14											2	2	2											
EQT012	14-74, Tank No. 15											2	2	2											
EQT013	15-74, Tank No. 16											1	2	2											
EQT014	16-74, Tank No. 17											2	2	2											
EQT015	17-74, Marine Loading																		2						
EQT016	18-74, Flare Stack																								
EQT017	19-74, Tank No. 9											1	2	2											
EQT018	21-74, Tank No. 65											2	2	2											
EQT019	22-74, Tank 66											2	2	2											
EQT020	23-74, Tank 58											2	2	2											
EQT021	1-75, Tank No. 19											1	2	2											
EQT022	2-75, Tank No. 20											1	2	2											
EQT023	3-75, Tank No. 22											1	2	2											
EQT025	1-77, Fluid Catalytic Cracker (FCC)											1													1

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X. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS										40 CFR 63 NESHPAP					40 CFR								
		A	Db	J	K	Ka	Kb	GG	XX	GGGa	QQQ	A	M	V	FF	A	3U	J	Q	Y	CC	52	64	68	82
EQT026	2-77A&B, Vacuum Crude Tower Heater		1																						
EQT027	4-77, Boiler No. 1/Gas Turbine-1		1	1																					
EQT028	5-77, Boiler No. 2/Gas Turbine-2		1	1																					
EQT029	6-77, Sulfur Recovery Unit Incinerator		1																						
EQT030	11-77, Tank No. 18		2	2	2																				
EQT031	12-77, Tank No. 23		1	2	2																				
EQT032	13-77, Tank No. 24		1	2	2																				
EQT033	1-82, Tank No. 940		2	2	2																				
EQT034	2-82, Hot Oil Heater	1																							
EQT035	3-82, Tank No. 25		2	1	2																				
EQT036	1-83, Tank No. 27		2	2	1																				
EQT037	2-83, Truck Loading Facility															1									
EQT038	1-85, FCCU Preheater																								
EQT039	2-85, Reformer Heater Stack																								
EQT040	4-85, Tank No. 26																								
EQT041	1-91, Enclosed Vapor Combustor																								
EQT042	2-91, Charge Heater																								
EQT043	3-91, Stripper Reboiler																								
EQT044	1-96, Tank 67																								
EQT045	2-96, Tank No. 4																								

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X. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS						40 CFR 61						40 CFR 63 NESHAP						40 CFR							
		A	Db	J	K	Ka	Kb	GG	XX	GGGa	QQQ	A	M	V	FF	A	3U	J	Q	Y	CC	S2	S4	S6	S8		
EQT046	3-96, Tank No. 60					1	2	2																			
EQT047	4-96, Tank No. 61					2	2	2																			
EQT048	5-96, Tank No. 62					2	2	1																			
EQT049	8-96, Tank No. 3					2	2	2																			
EQT050	9-96, Tank No. 5					2	2	2																			
EQT051	10-96, Tank No. 6					2	2	2																			
EQT052	11-96, Tank No. 7					2	2	2																			
EQT053	12-96, Tank No. 64					2	2	2																			
EQT054	13-96, Tank No. 941					2	2	2																			
EQT056	1-97, Tank No. 63					2	2	1																			
EQT057	1-01, Tank No. 28					2	2	2																			
EQT058	2-01, Tank No. 2					2	2	2																			
EQT059	1-02, Alkylation Unit Cooling Towers																										
EQT060	2-02, Refinery Cooling Tower																										
EQT061	3-02, Tank No. 100 Pressure Vessel (PV)																										
EQT062	4-02, Tank No. 101 (PV)																										
EQT063	5-02, Tank No. 102 (PV)																										
EQT064	6-02, Tank No. 103 (PV)																										
EQT065	7-02, Tank No. 104 (PV)																										

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X. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS										40 CFR 61				40 CFR 63 NESHAP				40 CFR				
		A	D _b	J	K	K _a	K _b	GG	XX	GGGa	QQQ	A	M	V	FF	A	3U _s	J	Q	Y	CC	S2	S4	S8
EQT066	8-02, Tank No. 105 (PV)							2	2															
EQT067	9-02, Tank No. 106 (PV)							2	2															
EQT068	10-02, Tank No. 107 (PV)							2	2															
EQT069	11-02, Tank No. 108 (PV)							2	2															
EQT070	12-02, Tank No. 109 (PV)							2	2															
EQT071	13-02, Tank No. 110 (PV)							2	2															
EQT072	14-02, Tank No. 111 (PV)							2	2															
EQT073	15-02, Tank No. 112, (PV)							2	2															
EQT074	16-02, Tank No. 113							2	2															
EQT075	17-02, Tank No. 114 (PV)							2	2															
EQT076	18-02, Tank No. 115 (PV)							2	2															
EQT077	19-02, Tank No. 116 (PV)							2	2															
EQT078	20-02, Tank No. 117 (PV)							2	2															
EQT079	1-07, Tank No. 1							2	2															
EQT080	2-07, Refinery Cooling Tower No. 3																							2
EQT081	1-08, No. 2 Hot Oil Heater																							
EQT082	3-08, Gas Oil Heater Unit																							
EQT083	4-08, No. 3 Boiler																							
EQT084	5-08, Sulfur Recovery Unit Incinerator No. 2																							
EQT085	6-08, Charge Heater No. 2																							1

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X. Applicable Louisiana and Federal Air Quality Requirements

REVIEWS

- KEY TO MARKS**

 - 1 - The regulations have applicable requirements which apply to this particular emission source.
 - The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
 - 2 - The regulations have applicable requirements which apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criteria, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
 - 3 - The regulations apply to this general type of emission source (i.e. vents, furnaces, and fugitives) but do not apply to this particular emission source.
 - Blank – The regulations clearly do not apply to this type of emission source.

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XI. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Status	Citation	Explanation
EQT006, 007, 009, 013, 017, 021, 022, 023, 031, 032, and 046 Tanks	NSPS, Subpart Ka - Standards of Performance for Storage Vessels for Petroleum Liquids	Does not apply	40 CFR 60.110a(a)	Constructed prior to May 18, 1978. Not modified or reconstructed since
EQT008, 011, 012, 050, and 052 Tanks	NSPS, Subpart Kb - Standards of Performance for VOL Storage Vessels Control of Emission of Organic Compounds	Does not apply	40 CFR 60.110b(a) LAC 33:III.2103.B	Constructed prior to July 23, 1984. Not modified or reconstructed since Vapor pressure of VOC less than 1.5 psia
EQT010 Tanks	NSPS, Subpart K and Ka - Standards of Performance for Storage Vessels for Petroleum Liquids	Does not apply	40 CFR 60.110 40 CFR 60.110a	Constructed prior to June 11, 1973. Not modified or reconstructed since
EQT014, 020, 049, 057, 058, 079, and 089 Tanks	NSPS, Subpart Kb - Standards of Performance for VOL Storage Vessels Control of Emission of Organic Compounds	Does not apply	40 CFR 60.110b(a) 40 CFR 60.110a	Constructed prior to July 23, 1984. Not modified or reconstructed since Vapor pressure of VOC less than 1.5 psia
	Control of Emission of Organic Compounds - Storage of Volatile Organic Compounds	Does not apply	LAC 33:III.2103.B	Vapor pressure of VOC less than 1.5 psia
	NSPS, Subpart K and Ka - Standards of Performance for Storage Vessels for Petroleum Liquids	Does not apply	40 CFR 60.110 40 CFR 60.110a(a)	Constructed, reconstructed or modified after July 23, 1984
	NSPS, Subpart Kb - Standards of Performance for VOL Storage Vessels	Does not apply	40 CFR 60.110b(b)	Capacity greater than 40,000 gal and the vapor pressure is less than 0.5 psia

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XI. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Status	Citation	Explanation
EQT018 and 019 Tank	Control of Emission of Organic Compounds – Storage of Volatile Organic Compounds	Does not apply	LAC 33:III.2103.B	Vapor pressure of VOC less than 1.5 psia.
	NSPS, Subpart K – Standards of Performance for Storage Vessels for Petroleum Liquids	Does not apply	40 CFR 60.110(a)	Capacity of the tank is less than the threshold of 40,000 gallons
	NSPS, Subpart Ka – Standards of Performance for Storage Vessels for Petroleum Liquids	Does not apply	40 CFR 60.110(a)	Constructed prior to May 18, 1978. Not modified or reconstructed since
	NSPS, Subpart Kb – Standards of Performance for VOL Storage Vessels	Does not apply	40 CFR 60.110(b)(a)	Constructed prior to July 23, 1984. Not modified or reconstructed since
EQT025 Fluid Catalytic Cracking Unit	Control of Emissions of Nitrogen Oxides	Exempt	LAC 33:III.2201.C.12	As per LAC 33:III.Chapter 22
EQT029 and 084 Sulfur Recovery Unit Incinerators	Control of Emissions of Nitrogen Oxides	Exempt	LAC 33:III.2201.C.7	As per LAC 33:III.Chapter 22
EQT030, 047 and 053 Tanks	Control of Emission of Organic Compounds – Storage of Volatile Organic Compounds	Does not apply	LAC 33:III.2103.B	Vapor pressure of VOC less than 1.5 psia
	NSPS, Subpart K – Standards of Performance for Storage Vessels for Petroleum Liquids	Does not apply	40 CFR 60.112	True vapor pressure less than 1.0 psia
	NSPS, Subpart Ka – Standards of Performance for Storage Vessels for Petroleum Liquids	Does not apply	40 CFR 60.110(a)	Constructed prior to May 18, 1978. Not modified or reconstructed since
	NSPS, Subpart Kb – Standards of Performance for VOL Storage Vessels	Does not apply	40 CFR 60.110(b)(a)	Constructed prior to July 23, 1984. Not modified or reconstructed since

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XI. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Status	Citation	Explanation
EQT033 and 054 Tanks	Control of Emission of Organic Compounds – Storage of Volatile Organic Compounds	Does not apply	LAC 33:III.2103.B	Vapor pressure of VOC less than 1.5 psia
	NSPS, Subpart K – Standards of Performance for Storage Vessels for Petroleum Liquids	Does not apply	40 CFR 60.110	Constructed after May 19, 1978. Not modified or reconstructed since
	NSPS, Subpart Ka – Standards of Performance for Storage Vessels for Petroleum Liquids	Does not apply	40 CFR 60.112a	True vapor pressure less than 1.0 psia
	NSPS, Subpart Kb – Standards of Performance for VOL Storage Vessels	Does not apply	40 CFR 60.110b(a)	Constructed prior to July 23, 1984. Not modified or reconstructed since
EQT035 Tank	NSPS, Subpart K – Standards of Performance for Storage Vessels for Petroleum Liquids	Does not apply	40 CFR 60.110	Constructed after May 19, 1978. Not modified or reconstructed since
	NSPS, Subpart Kb – Standards of Performance for VOL Storage Vessels	Does not apply	40 CFR 60.110b(a)	Constructed prior to July 23, 1984. Not modified or reconstructed since
EQT036, 040, 044, 048, and 056 Tanks	NSPS, Subpart K and Ka - Standards of Performance for Storage Vessels for Petroleum Liquids	Does not apply	40 CFR 60.110	Constructed prior to June 11, 1973. Not modified or reconstructed since
EQT037 Truck Loading Facility	Control of Emission of Organic Compounds – VOC Loading	Exempt	LAC 33:III.2107.F	Complies with LAC 33:III.Subchapter J
EQT045 and 051	NSPS, Subpart K and Ka – Standards of Performance for Storage Vessels for Petroleum Liquids	Does not apply	40 CFR 60.110 40 CFR 60.110a	Constructed prior to June 11, 1973. Not modified or reconstructed since
	NSPS, Subpart Kb – Standards of Performance for VOL Storage Vessels	Does not apply	40 CFR 60.110b(a)	Constructed prior to July 23, 1984. Not modified or reconstructed since
EQT059, 060, and 080 Cooling Towers	Emission Standards for Particulate Matter	Does not apply	LAC 33:III.1311.F	Presence of uncombined water

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XI. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Status	Citation	Explanation
EQT059, 060, and 080 Cooling Towers (Continued)	NESHAP, Subpart Q – National Emissions Standards for Hazardous Air Pollutants for Industrial Process Cooling Towers	Does not apply	40 CFR 63.400	Not a major source of hazardous air pollutants
EQT061 thru 078, 090, and 091 Pressure Tanks	Control of Emission of Organic Compounds – Storage of Volatile Organic Compounds NSPS, Subpart K – Standards of Performance for Storage Vessels for Petroleum Liquids NSPS, Subpart Ka – Standards of Performance for Storage Vessels for Petroleum Liquids NSPS, Subpart Kb – Standards of Performance for VOL Storage Vessels NSPS, Subpart QQQ – Standards of Performance for VOC Emission From Petroleum Refinery Wastewater Systems	Does not apply Does not apply Does not apply Does not apply	LAC 33:III.2103.B 40 CFR 60.111(a)(1) 40 CFR 60.110b(d)(2)	These tanks are pressure vessels operating at a pressure greater than 15 psig These tanks are pressure vessels operating at a pressure greater than 15 psig These tanks are pressure vessels operating at a pressure greater than 15 psig
UNF001 Facility Wide	NESHAP, Subpart CC – NESHP from Petroleum Refineries	Does not apply	40 CFR 63.690	Wastewater Systems not modified, constructed, or reconstructed since May 4, 1987
	NESHAP, Subpart UUU – NESHP From Petroleum Refineries: Catalytic Cracking Units, Catalytic Reforming Units, and Sulfur Recovery Units	Does not apply	40 CFR 63.1561(a)	Facility is not a major source of hazardous air pollutants
				Facility is not a major source of hazardous air pollutants
				The above table provides explanation for both the exemption status or non-applicability of a source cited by 2 or 3 in the matrix presented in Section X of this permit

40 CFR PART 70 GENERAL CONDITIONS

- A. The term of this permit shall be five (5) years from date of issuance. An application for a renewal of this 40 CFR Part 70 permit shall be submitted to the administrative authority no later than six months prior to the permit expiration date. Should a complete permit application not be submitted six months prior to the permit expiration date, a facility's right to operate is terminated pursuant to 40 CFR Section 70.7(c)(ii). Operation may continue under the conditions of this permit during the period of the review of the application for renewal. [LAC 33:III.507.E.1, E.3, E.4, reference 40 CFR 70.6(a)(2)]
- B. The conditions of this permit are severable; and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby. [Reference 40 CFR 70.6(a)(5)]
- C. Permittee shall comply with all conditions of the 40 CFR Part 70 permit. Any permit noncompliance constitutes a violation of the Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [LAC 33:III.507.B.2, reference 40 CFR 70.6(a)(6)(i) & (iii)]
- D. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [Reference 40 CFR 70.6(a)(6)(ii)]
- E. This permit does not convey any property rights of any sort, or an exclusive privilege. [Reference 40 CFR 70.6(a)(6)(iv)]
- F. The permittee shall furnish to the permitting authority, within a reasonable time, any information that the permitting authority may request in writing to determine whether cause exists for modifying, revoking, and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the permitting authority copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality. A claim of confidentiality does not relieve the permittee of the requirement to provide the information. [LAC 33:III.507.B.2, 517.F, reference 40 CFR 70.6(a)(6)(v)]
- G. Permittee shall pay fees in accordance with LAC 33:III.Chapter 2 and 40 CFR Section 70.6(a)(7). [LAC 33:III.501.C.2, reference 40 CFR 70.6(a)(7)]
- H. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the permitting authority or authorized representative to perform the following:
 1. enter upon the permittee's premises where a 40 CFR Part 70 source is located or emission-related activity is conducted, or where records must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(i)];
 2. have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(ii)];
 3. inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iii)]; and

40 CFR PART 70 GENERAL CONDITIONS

- 4. as authorized by the Clean Air Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iv)]
- I. All required monitoring data and supporting information shall be kept available for inspection at the facility or alternate location approved by the agency for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Supporting information includes calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and all reports required by the permit.
[Reference 40 CFR 70.6(a)(3)(ii)(B)]
- J. Records of required monitoring shall include the following:
 - 1. the date, place as defined in the permit, and time of sampling or measurements;
 - 2. the date(s) analyses were performed;
 - 3. the company or entity that performed the analyses;
 - 4. the analytical techniques or methods used;
 - 5. the results of such analyses; and
 - 6. the operating conditions as existing at the time of sampling or measurement.
 [Reference 40 CFR 70.6(a)(3)(ii)(A)]
- K. Permittee shall submit at least semiannually, reports of any required monitoring, clearly identifying all instances of deviations from permitted monitoring requirements, certified by a responsible company official. For previously reported deviations, in lieu of attaching the individual deviation reports, the semiannual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The semiannual reports shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding period encompassing July through December and September 30 for the preceding period encompassing January through June. Any quarterly deviation report required to be submitted by March 31 or September 30 in accordance with Part 70 General Condition R may be consolidated with the semi-annual reports required by this general condition as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [LAC 33:III.507.H, reference 40 CFR 70.6(a)(3)(iii)(A)]
- L. The permittee shall submit at least semiannual reports on the status of compliance pursuant to 40 CFR Section 70.5 (c) (8) and a progress report on any applicable schedule of compliance pursuant to 40 CFR Section 70.6 (c) (4). [LAC 33:III.507.H.1, reference 40 CFR 70.6(c)(4)]
- M. Compliance certifications per LAC 33:III.507.H.5 shall be submitted to the Administrator as well as the permitting authority. For previously reported compliance deviations, in lieu of attaching the individual deviation reports, the annual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The compliance certifications shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding calendar year. [LAC 33:III.507.H.5, reference 40 CFR 70.6(c)(5)(iv)]
- N. If the permittee seeks to reserve a claim of an affirmative defense as provided in LAC 33:III.507.J.2, the permittee shall, in addition to any emergency or upset provisions in any applicable regulation, notify the permitting authority within 2 working days of the time when emission limitations were exceeded due to the occurrence of an upset. In the event of an upset, as defined under LAC 33:III.507.J, which results in excess emissions, the permittee shall demonstrate through properly signed, contemporaneous operating logs, or other relevant evidence that: 1) an emergency occurred and the cause was identified; 2) the permitted facility was being operated

40 CFR PART 70 GENERAL CONDITIONS

properly at the time; and 3) during the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standard or requirement of the permit. [LAC 33:III.507.J.2, reference 40 CFR 70.6(g)(3)(iv) & (i-iii)]

- O. Permittee shall maintain emissions at a level less than or equal to that provided for under the allowances that the 40 CFR Part 70 source lawfully holds under Title IV of the Clean Air Act or the regulations promulgated thereunder. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program, provided that such increases do not require a permit revision under any other applicable requirement. No limit shall be placed on the number of allowances held by the source. The source may not, however, use allowances as a defense to noncompliance with any other applicable requirement. Any such allowance shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Clean Air Act. [Reference 40 CFR 70.6(a)(4)]
- P. Any permit issued pursuant to 40 CFR Part 70 may be subject to reopening prior to the expiration of the permit for any of the conditions specified in 40 CFR Section 70.7(f) or LAC 33:III.529. [LAC 33:III.529.A-B, reference 40 CFR 70.7(f)]
- Q. Permittee may request an administrative amendment to the permit to incorporate test results from compliance testing if the following criteria are met:
 - 1. the changes are a result of tests performed upon start-up of newly constructed, installed, or modified equipment or operations;
 - 2. increases in permitted emissions will not exceed five tons per year for any regulated pollutant;
 - 3. increases in permitted emissions of Louisiana toxic air pollutants or of federal hazardous air pollutants would not constitute a modification under LAC 33:III. Chapter 51 or under Section 112 (g) of the Clean Air Act;
 - 4. changes in emissions would not require new source review for prevention of significant deterioration or nonattainment and would not trigger the applicability of any federally applicable requirement;
 - 5. changes in emissions would not qualify as a significant modification; and
 - 6. the request is submitted no later than 12 months after commencing operation. [LAC 33:III.523.A, reference 40 CFR 70.7(d)]
- R. Permittee shall submit prompt reports of all permit deviations as specified below to the Office of Environmental Compliance, Enforcement Division. All such reports shall be certified by a responsible official in accordance with 40 CFR 70.5(d).
 - 1. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
 - 2. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.

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3. A written report shall be submitted quarterly to address all permit deviations not included in paragraphs 1 or 2 above. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. The quarterly deviation reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by Part 70 General Condition K as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. For previously reported permit deviations, in lieu of attaching the individual deviation reports, the quarterly report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any permit deviations occurring during the corresponding specified calendar quarter:
 - a. Report by June 30 to cover January through March
 - b. Report by September 30 to cover April through June
 - c. Report by December 31 to cover July through September
 - d. Report by March 31 to cover October through December
 4. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided such reports are certified in accordance with 40 CFR 70.5(d) and contain all information relevant to the permit deviation. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107. [Reference 40 CFR 70.6(a)(3)(iii)(B)]
- S. Permittee shall continue to comply with applicable requirements on a timely basis, and will meet on a timely basis applicable requirements that become effective during the permit term. [Reference 40 CFR 70.5(c)(8)(iii)]
- T. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
1. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156;
 2. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158;
 3. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161;
 4. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with recordkeeping requirements pursuant to 40 CFR 82.166. ("MVAC-like appliance" as defined at 40 CFR 82.152);
 5. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR 82.156; and
 6. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166. [Reference 40 CFR 82, Subpart F]

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- U. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.

The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant. [Reference 40 CFR 82, Subpart B]

- V. Data availability for continuous monitoring or monitoring to collect data at specific intervals: Except for monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks and required zero and span adjustments), the permittee shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the emissions unit is operating. For purposes of reporting monitoring deviations under Part 70 General Conditions K and R, and unless otherwise provided for in the Specific Requirements (or Table 3) of this permit, the minimum degree of data availability shall be at least 90% (based on a monthly average) of the operating time of the emissions unit or activity being monitored. This condition does not apply to Leak Detection and Repair (LDAR) programs for fugitive emissions (e.g., 40 CFR 60 Subpart VV, 40 CFR 63 Subpart H).

LOUISIANA AIR EMISSIONS PERMIT GENERAL CONDITIONS

- I. This permit is issued on the basis of the emissions reported in the application for approval of emissions and in no way guarantees that the design scheme presented will be capable of controlling the emissions to the type and quantities stated. Failure to install, properly operate and/or maintain all proposed control measures and/or equipment as specified in the application and supplemental information shall be considered a violation of the permit and LAC 33:III.501. If the emissions are determined to be greater than those allowed by the permit (e.g. during the shakedown period for new or modified equipment) or if proposed control measures and/or equipment are not installed or do not perform according to design efficiency, an application to modify the permit must be submitted. All terms and conditions of this permit shall remain in effect unless and until revised by the permitting authority.
- II. The permittee is subject to all applicable provisions of the Louisiana Air Quality Regulations. Violation of the terms and conditions of the permit constitutes a violation of these regulations.
- III. The Emission Rates for Criteria Pollutants, Emission Rates for TAP/HAP & Other Pollutants, and Specific Requirements sections or, where included, Emission Inventory Questionnaire sheets establish the emission limitations and are a part of the permit. Any operating limitations are noted in the Specific Requirements or, where included, Tables 2 and 3 of the permit. The synopsis is based on the application and Emission Inventory Questionnaire dated February 6, 2008; as well as additional information as of September 14, 2008.
- IV. This permit shall become invalid, for the sources not constructed, if:
 - A. Construction is not commenced, or binding agreements or contractual obligations to undertake a program of construction of the project are not entered into, within two (2) years (18 months for PSD permits) after issuance of this permit, or;
 - B. If construction is discontinued for a period of two (2) years (18 months for PSD permits) or more.The administrative authority may extend this time period upon a satisfactory showing that an extension is justified.
This provision does not apply to the time period between construction of the approved phases of a phased construction project. However, each phase must commence construction within two (2) years (18 months for PSD permits) of its projected and approved commencement date.
- V. The permittee shall submit semiannual reports of progress outlining the status of construction, noting any design changes, modifications or alterations in the construction schedule which have or may have an effect on the emission rates or ambient air quality levels. These reports shall continue to be submitted until such time as construction is certified as being complete. Furthermore, for any significant change in the design, prior approval shall be obtained from the Office of Environmental Services, Air Permits Division.
- VI. The permittee shall notify the Department of Environmental Quality, Office of Environmental Services, Air Permits Division within ten (10) calendar days from the date that construction is certified as complete and the estimated date of start-up of operation. The appropriate Regional Office shall also be so notified within the same time frame.

LOUISIANA AIR EMISSIONS PERMIT GENERAL CONDITIONS

- VII. Any emissions testing performed for purposes of demonstrating compliance with the limitations set forth in paragraph III shall be conducted in accordance with the methods described in the Specific Conditions and, where included, Tables 1, 2, 3, 4, and 5 of this permit. Any deviation from or modification of the methods used for testing shall have prior approval from the Office of Environmental Assessment, Air Quality Assessment Division.
- VIII. The emission testing described in paragraph VII above, or established in the specific conditions of this permit, shall be conducted within sixty (60) days after achieving normal production rate or after the end of the shakedown period, but in no event later than 180 days after initial start-up (or restart-up after modification). The Office of Environmental Assessment, Air Quality Assessment Division shall be notified at least (30) days prior to testing and shall be given the opportunity to conduct a pretest meeting and observe the emission testing. The test results shall be submitted to the Air Quality Assessment Division within sixty (60) days after the complete testing. As required by LAC 33:III.913, the permittee shall provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- IX. The permittee shall, within 180 days after start-up and shakedown of each project or unit, report to the Office of Environmental Compliance, Enforcement Division any significant difference in operating emission rates as compared to those limitations specified in paragraph III. This report shall also include, but not be limited to, malfunctions and upsets. A permit modification shall be submitted, if necessary, as required in Condition I.
- X. The permittee shall retain records of all information resulting from monitoring activities and information indicating operating parameters as specified in the specific conditions of this permit for a minimum of at least five (5) years.
- XI. If for any reason the permittee does not comply with, or will not be able to comply with, the emission limitations specified in this permit, the permittee shall provide the Office of Environmental Compliance, Enforcement Division with a written report as specified below.
- A. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
- B. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
- C. A written report shall be submitted quarterly to address all emission limitation exceedances not included in paragraphs A or B above. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any emission limitation exceedances occurring during the corresponding specified calendar quarter:
1. Report by June 30 to cover January through March
2. Report by September 30 to cover April through June
3. Report by December 31 to cover July through September
4. Report by March 31 to cover October through December

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- D. Each report submitted in accordance with this condition shall contain the following information:
1. Description of noncomplying emission(s);
 2. Cause of noncompliance;
 3. Anticipated time the noncompliance is expected to continue, or if corrected, the duration of the period of noncompliance;
 4. Steps taken by the permittee to reduce and eliminate the noncomplying emissions; and
 5. Steps taken by the permittee to prevent recurrences of the noncomplying emissions.
- E. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided all information specified above is included. For Part 70 sources, reports submitted in accordance with Part 70 General Condition R shall serve to meet the requirements of this condition provided all specified information is included. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107.
- XII. Permittee shall allow the authorized officers and employees of the Department of Environmental Quality, at all reasonable times and upon presentation of identification, to:
- A. Enter upon the permittee's premises where regulated facilities are located, regulated activities are conducted or where records required under this permit are kept;
 - B. Have access to and copy any records that are required to be kept under the terms and conditions of this permit, the Louisiana Air Quality Regulations, or the Act;
 - C. Inspect any facilities, equipment (including monitoring methods and an operation and maintenance inspection), or operations regulated under this permit; and
 - D. Sample or monitor, for the purpose of assuring compliance with this permit or as otherwise authorized by the Act or regulations adopted thereunder, any substances or parameters at any location.
- XIII. If samples are taken under Section XII.D. above, the officer or employee obtaining such samples shall give the owner, operator or agent in charge a receipt describing the sample obtained. If requested prior to leaving the premises, a portion of each sample equal in volume or weight to the portion retained shall be given to the owner, operator or agent in charge. If an analysis is made of such samples, a copy of the analysis shall be furnished promptly to the owner, operator or agency in charge.
- XIV. The permittee shall allow authorized officers and employees of the Department of Environmental Quality, upon presentation of identification, to enter upon the permittee's premises to investigate potential or alleged violations of the Act or the rules and regulations adopted thereunder. In such investigations, the permittee shall be notified at the time entrance is requested of the nature of the suspected violation. Inspections under this subsection shall be limited to the aspects of alleged violations. However, this shall not in any way preclude prosecution of all violations found.

LOUISIANA AIR EMISSIONS PERMIT GENERAL CONDITIONS

- XV. The permittee shall comply with the reporting requirements specified under LAC 33:III.919 as well as notification requirements specified under LAC 33:III.927.
- XVI. In the event of any change in ownership of the source described in this permit, the permittee and the succeeding owner shall notify the Office of Environmental Services in accordance with LAC 33:I.Chapter 19.Facility Name and Ownership/Operator Changes Process.
- XVII. Very small emissions to the air resulting from routine operations, that are predictable, expected, periodic, and quantifiable and that are submitted by the permitted facility and approved by the Air Permits Division are considered authorized discharges. Approved activities are noted in the General Condition XVII Activities List of this permit. To be approved as an authorized discharge, these very small releases must:
1. Generally be less than 5 TPY
 2. Be less than the minimum emission rate (MER)
 3. Be scheduled daily, weekly, monthly, etc., or
 4. Be necessary prior to plant startup or after shutdown [line or compressor pressuring/depressuring for example]

These releases are not included in the permit totals because they are small and will have an insignificant impact on air quality. This general condition does not authorize the maintenance of a nuisance, or a danger to public health and safety. The permitted facility must comply with all applicable requirements, including release reporting under LAC 33:I.3901.

- XVIII. Provisions of the permit may be appealed to the secretary in writing pursuant to La. R.S. 30:2024(A) within 30 days from notice of the permit action. A request may be made to the secretary to suspend those provisions of the permit specifically appealed. The permit remains in effect to the extent that the secretary or assistant secretary does not elect to suspend the appealed provisions as requested or, at his discretion, other permit provisions as well. Construction cannot proceed, except as specifically approved by the secretary or assistant secretary, until a final decision has been rendered on the appeal. A request for hearing must be sent to the Office of the Secretary. A request for hearing must be sent to the following:

Attention: Office of the Secretary, Legal Services Division
La. Dept. of Environmental Quality
Post Office Box 4302
Baton Rouge, Louisiana 70821-4302

- XIX. For Part 70 sources, certain Part 70 general conditions may duplicate or conflict with state general conditions. To the extent that any Part 70 conditions conflict with state general conditions, then the Part 70 general conditions control. To the extent that any Part 70 general conditions duplicate any state general conditions, then such state and Part 70 provisions will be enforced as if there is only one condition rather than two conditions.

General Information

AI ID: 2366 Placid Refining Co LLC - Port Allen Refinery
Activity Number: PER2008002
Permit Number: 3120-00012-V6
Air - Title V Regular Permit Major Mod

Also Known As:	ID	Name	User Group	Start Date
	3120-00012	Placid Refining Co LLC - Port Allen Refinery	CDS Number	08-05-2002
3120-0010		Placid Refining Co LLC - Port Allen Refinery	Emission Inventory	03-03-2004
75-1877422		Placid Refining Co LLC	Federal Tax ID	11-21-1999
LAD053783353		Placid Refining Co LLC	Hazardous Waste Notification	11-07-1983
LA0039390		LPDES Permit #	LPDES Permit #	02-26-2001
LAG670083		LPDES #	LPDES Permit #	10-27-2005
WP0310		WPC State Permit Number	LWDPS Permit #	06-25-2003
01-228		Motor Fuel Delivery Certificate #	Motor Fuel Delivery Certificate	07-26-2002
LA-10168-L01A		Priority 1 Emergency Site	Priority 1 Emergency Site	07-18-2006
LA-10168-L02		Radioactive Material License	Radiation License Number	06-18-2004
7303		Radioactive Material License	Radiation License Number	07-01-2002
G-121-1645		X-Ray Registration Number	Radiation X-ray Registration Number	11-21-1999
44899		Site Id #	Solid Waste Facility No.	11-21-1999
47232		Placid Refining Co - Port Allen Refinery	TEMPO Merge	06-20-2001
3120-0012		Toxic Emissions Data Inventory #	TEMPO Merge	10-30-2000
⌚ 70767PLCDR1940L		TRI #	Toxic Emissions Data Inventory #	01-01-1991
14495		Waste Tires	Toxic Release Inventory	07-14-2004
			Waste Tire Facility ID Number	04-23-2008
			Main FAX:	2253467447
			Main Phone:	2253870278
Physical Location:		1940 LA Hwy 1 N Port Allen, LA 70767		
Mailing Address:		1940 LA Hwy 1 N Port Allen, LA 70767		
Location of Front Gate:		30° 28' 33" latitude, 91° 12' 40" longitude, Coordinate Method: Interpolation - Map, Coordinate Datum: NAD83		
Related People:		Name	Mailing Address	Relationship
		Fred Barron	1940 Hwy 1 N Port Allen, LA 70767	fred.barron@placidc
		Fred Barron	1940 Hwy 1 N Port Allen, LA 70767	2253467492 (WP)
		Fred Barron	1940 Hwy 1 N Port Allen, LA 70767	fred.barron@placidc
		Fred Barron	1940 Hwy 1 N Port Allen, LA 70767	2253467492 (WP)
		Gary Fuller	1940 Hwy 1 N Port Allen, LA 70767	2253870278 (WP)
		Gary Fuller	1940 Hwy 1 N Port Allen, LA 70767	GARY.FULLER@PL
		Gary Fuller	1940 Hwy 1 N Port Allen, LA 70767	2253467447 (WF)
		J B Hagmann	1940 LA Hwy 1 N Port Allen, LA 70767	Responsible Official for
		Barry Joffrin	1940 Hwy 1 North Port Allen, LA 70767	Radiation Safety Officer for

General Information

AI ID: 2366 Placid Refining Co LLC - Port Allen Refinery

Activity Number: PER20080002

Permit Number: 3120-00012-V6

Air - Title V Regular Permit Major Mod

Related People:	Name	Mailing Address	Phone (Type)	Relationship
	Barry Joffrion	1940 Hwy 1 North Port Allen, LA 70767	barry.joffrion@placid	Radiation Safety Officer for
	Barry Joffrion	1940 Hwy 1 North Port Allen, LA 70767	2253870278 (WP)	Waste Tires Contact for
	Barry Joffrion	1940 Hwy 1 North Port Allen, LA 70767	2253467447 (WF)	Waste Tires Contact for
	Barry Joffrion	1940 Hwy 1 North Port Allen, LA 70767	barry.joffrion@placid	Waste Tires Contact for
	Barry Joffrion	1940 Hwy 1 North Port Allen, LA 70767	2253467447 (WF)	Radiation Safety Officer for
	Barry Joffrion	1940 Hwy 1 North Port Allen, LA 70767	2253870278 (WP)	Radiation Contact For
	Barry Joffrion	1940 Hwy 1 North Port Allen, LA 70767	barry.joffrion@placid	Radiation Contact For
	Barry Joffrion	1940 Hwy 1 North Port Allen, LA 70767	2253467447 (WF)	Radiation Contact For
	Ron McQuiston	1940 LA Hwy 1 N Port Allen, LA 70767	2253467490 (WP)	Motor Fuel Delivery Certificate Contact for
Related Organizations:	Name	Address	Phone (Type)	Relationship
	Placid Refining Co LLC	1940 Hwy 1 N Port Allen, LA 70767	2253870278 (WP)	Owns
	Placid Refining Co LLC	1940 Hwy 1 N Port Allen, LA 70767	2253870278 (WP)	Air Billing Party for
	Placid Refining Co LLC	1940 Hwy 1 N Port Allen, LA 70767	2253870278 (WP)	Radiation License Billing Party for
	Placid Refining Co LLC	1940 Hwy 1 N Port Allen, LA 70767	2253870278 (WP)	Radiation Registration Billing Party for
	Placid Refining Co LLC	1940 Hwy 1 N Port Allen, LA 70767	2253870278 (WP)	Emission Inventory Billing Party
NAC Codes:	32411, Petroleum Refineries			

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Ferrand, Environmental Assistance Division, at (225) 219-0775 or email your changes to facupdate@la.gov.

INVENTORIES

All ID: 2366 - Placid Refining Co LLC - Port Allen Refinery
 Activity Number: PER2008002
 Permit Number: 3120-00012-V6
 Air - Title V Regular Permit Major Mod

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
PRC, Port Allen Refinery						
EQT0005 1-74A&B - Crude Heaters		1.53 million gallons	180 MM BTU/hr	170 MM BTU/hr	Two Stacks	8760 hr/yr (All Year)
EQT0006 8-74 - Tank No. 12		3.84 million gallons	766.5 MM gallons/yr	766.5 MM gallons/yr	External Floating Roof (EFR)	8760 hr/yr (All Year)
EQT0007 9-74 - Tank No. 11		1.61 million gallons	766.5 MM gallons/yr		Internal Floating Roof (IFR)	8760 hr/yr (All Year)
EQT0008 10-74 - Tank No. 8		1.19 million gallons	919.8 MM gallons/yr		Fixed Roof (FR), routed to Enclosed Vapor Combustor o (1-91)	8760 hr/yr (All Year)
EQT0009 11-74 - Tank No. 10		6.92 million gallons	766.5 MM gallons/yr	459.9 MM gallons/yr	EFR	8760 hr/yr (All Year)
EQT0010 12-74 - Tank No. 13		2.19 million gallons	459.9 MM gallons/yr	459.9 MM gallons/yr	IFR	8760 hr/yr (All Year)
EQT0011 13-74 - Tank No. 14		2.19 million gallons	919.8 MM gallons/yr		FR, routed to Enclosed Vapor Combustor (1-91)	8760 hr/yr (All Year)
EQT0012 14-74 - Tank No. 15		1.53 million gallons	919.8 MM gallons/yr		FR, routed to Enclosed Vapor Combustor (1-91)	8760 hr/yr (All Year)
EQT0013 15-74 - Tank No. 16		1.68 million gallons	766.5 MM gallons/yr		EFR	8760 hr/yr (All Year)
EQT0014 16-74 - Tank No. 17		252000 gallons/hr	1.5 MM gallons/yr		EFR	8760 hr/yr (All Year)
EQT0015 17-74 - Marine Loading			252000 gallons/hr	14.21 MM bbl/yr	Gasoline - Carbon Adsorption System (8-08)r Mid Range Light- Enclosed Vapor Combustor (1-91)	8760 hr/yr (All Year)
EQT0016 18-74 - Flare Stack			240 scf/hr	240 scf/hr	EFR	8760 hr/yr (All Year)
EQT0017 19-74 - Tank No. 9		1.53 million gallons	766.5 MM gallons/yr		IFR	8760 hr/yr (All Year)
EQT0018 21-74 - Tank No. 65		33600 gallons	2.1 MM gallons/yr		FR	8760 hr/yr (All Year)
EQT0019 22-74 - Tank No. 66		33600 gallons	2.1 MM gallons/yr		FR	8760 hr/yr (All Year)
EQT0020 23-74 - Tank No. 58		59300 gallons	1.16 MM gallons/yr	1.16 MM gallons/yr	FR, routed to Carbon Adsorption System (8-08)	8760 hr/yr (All Year)
EQT0021 1-75 - Tank No. 19		3.06 million gallons	766.5 MM gallons/yr		IFR	8760 hr/yr (All Year)
EQT0022 2-75 - Tank No. 20		3.05 million gallons	766.5 MM gallons/yr		IFR	8760 hr/yr (All Year)
EQT0023 3-75 - Tank No. 22		3.05 million gallons	766.5 MM gallons/yr		IFR	8760 hr/yr (All Year)
EQT0025 1-77 - Fluid Catalytic Cracker		62985 SCFM	57259 SCFM			8760 hr/yr (All Year)
EQT0026 2-77A&B - Vacuum Crude Tower Heater		120 MM BTU/hr	101 MM BTU/hr	Two Stacks		8760 hr/yr (All Year)
EQT0027 4-77 - Boiler No. 1/Gas Turbine-1		187 MM BTU/hr	142 MM BTU/hr			8760 hr/yr (All Year)
EQT0028 5-77 - Boiler No. 2/Gas Turbine-2		185 MM BTU/hr	138 MM BTU/hr			8760 hr/yr (All Year)
EQT0029 6-77 - Sulfur Recovery Unit Incinerator		3.2 MM BTU/hr	3.2 MM BTU/hr			8760 hr/yr (All Year)
EQT0030 11-77 - Tank No. 18		2 million gallons	919.8 MM gallons/yr	FR, Routed to Enclosed Vapor Combustor (1-91)		8760 hr/yr (All Year)
EQT0031 12-77 - Tank No. 23		7.68 million	1176 MM gallons/yr		EFR	8760 hr/yr (All Year)

INVENTORIES

AI ID: 2366 - Placid Refining Co LLC - Port Allen Refinery
 Activity Number: PER2008002
 Permit Number: 3120-00012-V6
 Air - Title V Regular Permit Major Mod

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
PRC, Port Allen Refinery						
EQT0032	13-77 - Tank No. 24	7.71 million gallons	1176 MM gallons/yr	EFR		8760 hr/yr (All Year)
EQT0033	1-82 - Tank No. 940	1.13 million gallons	1.5 MM gallons/yr	EFR		8760 hr/yr (All Year)
EQT0034	2-82 - Hot Oil Heater		180 MM BTU/hr	140 MM BTU/hr	Low NOx Burners	8760 hr/yr (All Year)
EQT0035	3-82 - Tank No. 25	7.85 million gallons	1176 MM gallons/yr	EFR		8760 hr/yr (All Year)
EQT0036	1-83 - Tank No. 27	21173 gallons	30.7 MM gallons/yr	30.7 MM gallons/yr	FR, routed to Carbon Adsorption System (8-08)	8760 hr/yr (All Year)
EQT0037	2-83 - Truck Loading Facility		38.33 MM bbl/yr	25.55 MM bbl/yr	Routed to Carbon Adsorption System (8-08)	8760 hr/yr (All Year)
EQT0038	1-85 - FCCU Preheater		45 MM BTU/hr	44 MM BTU/hr	FR, routed to Carbon Adsorption System (8-08)	8760 hr/yr (All Year)
EQT0039	2-85 - Reformer Heater Stack		150 MM BTU/hr	150 MM BTU/hr	IFR, routed to Enclosed Vapor Combustor (1-91)	8760 hr/yr (All Year)
EQT0040	4-85 - Tank No. 26	394000 gallons	1.7 MM gallons/yr	1.7 MM gallons/yr	IFR, routed to Enclosed Vapor Combustor (1-91)	8760 hr/yr (All Year)
EQT0041	1-91 - Enclosed Vapor Combustor		25 MM BTU/hr	25 MM BTU/hr	Controls Mid Range Loading from EQT015 and emissions from certain tanks	8760 hr/yr (All Year)
EQT0042	2-91 - Charge Heater		40 MM BTU/hr	30 MM BTU/hr		8760 hr/yr (All Year)
EQT0043	3-91 - Stripper Reboiler		35 MM BTU/hr	32 MM BTU/hr		8760 hr/yr (All Year)
EQT0044	1-96 - Tank No. 67	422000 gallons	689.9 MM gallons/yr	FR, routed to Carbon Adsorption System (8-08)	FR, routed to Carbon Adsorption System (8-08)	8760 hr/yr (All Year)
EQT0045	2-96 - Tank No. 4	3.22 million gallons	766.5 MM gallons/yr	IFR, routed to Enclosed Vapor Combustor (1-91)	IFR, routed to Enclosed Vapor Combustor (1-91)	8760 hr/yr (All Year)
EQT0046	3-96 - Tank No. 60	413000 gallons	689.9 MM gallons/yr	FR, routed to Carbon Adsorption System (8-08)	FR, routed to Carbon Adsorption System (8-08)	8760 hr/yr (All Year)
EQT0047	4-96 - Tank No. 61	413000 gallons	383.3 MM gallons/yr	FR, routed to Carbon Adsorption System (8-08)	FR, routed to Carbon Adsorption System (8-08)	8760 hr/yr (All Year)
EQT0048	5-96 - Tank No. 62	413000 gallons	689.9 MM gallons/yr	FR, routed to Carbon Adsorption System (8-08)	FR, routed to Carbon Adsorption System (8-08)	8760 hr/yr (All Year)
EQT0049	8-96 - Tank No. 3	2.18 million gallons	919.8 MM gallons/yr	FR, routed to Enclosed Vapor Combustor (1-91)	FR, routed to Enclosed Vapor Combustor (1-91)	8760 hr/yr (All Year)
EQT0050	9-96 - Tank No. 5	1.61 million gallons	919.8 MM gallons/yr	FR, routed to Enclosed Vapor Combustor (1-91)	FR, routed to Enclosed Vapor Combustor (1-91)	8760 hr/yr (All Year)
EQT0051	10-96 - Tank No. 6	1.61 million gallons	766.5 MM gallons/yr	FR, routed to Enclosed Vapor Combustor (1-91)	FR, routed to Enclosed Vapor Combustor (1-91)	8760 hr/yr (All Year)
EQT0052	11-96 - Tank No. 7	1.61 million gallons	919.8 MM gallons/yr	FR, routed to Enclosed Vapor Combustor (1-91)	FR, routed to Enclosed Vapor Combustor (1-91)	8760 hr/yr (All Year)
EQT0053	12-96 - Tank No. 64	413000 gallons	383.3 MM gallons/yr	FR, routed to Carbon Adsorption System (8-08)	FR, routed to Carbon Adsorption System (8-08)	8760 hr/yr (All Year)
EQT0054	13-96 - Tank No. 941	69935 gallons	255.5 MM gallons/yr	This tank is part of the Wastewater System		8760 hr/yr (All Year)
EQT0056	1-97 - Tank No. 63	324000 gallons	689.9 MM gallons/yr	FR, routed to Carbon Adsorption System (8-08)	FR, routed to Carbon Adsorption System (8-08)	8760 hr/yr (All Year)

INVENTORIES

AI ID: 2366 - Placid Refining Co LLC - Port Allen Refinery
 Activity Number: PER2008002
 Permit Number: 3120-00012-V6
 Air - Title V Regular Permit Major Mod

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
PRC, Port Allen Refinery						
EQT0057	1-01 - Tank No. 28	3.13 million gallons	919.8 MM gallons/yr	FR, routed to Enclosed Vapor Combustor (1-91)	8760 hr/yr (All Year)	
EQT0058	2-01 - Tank No. 2	3.22 million gallons	919.8 MM gallons/yr	FR, routed to Enclosed Vapor Combustor (1-91)	8760 hr/yr (All Year)	
EQT0059	1-02 - Alkylation Unit Cooling Tower			8760 hr/yr (All Year)		
EQT0060	2-02 - Refinery Cooling Tower			8760 hr/yr (All Year)		
EQT0061	3-02 - Tank No. 100, Pressure Vessel (PV)			8760 hr/yr (All Year)		
EQT0062	4-02 - Tank No. 101, PV			8760 hr/yr (All Year)		
EQT0063	5-02 - Tank No. 102, PV			8760 hr/yr (All Year)		
EQT0064	6-02 - Tank No. 103, PV			8760 hr/yr (All Year)		
EQT0065	7-02 - Tank No. 104, PV			8760 hr/yr (All Year)		
EQT0066	8-02 - Tank No. 105, PV			8760 hr/yr (All Year)		
EQT0067	9-02 - Tank No. 106, PV			8760 hr/yr (All Year)		
EQT0068	10-02 - Tank No. 107, PV			8760 hr/yr (All Year)		
EQT0069	11-02 - Tank No. 108, PV			8760 hr/yr (All Year)		
EQT0070	12-02 - Tank No. 109, PV			8760 hr/yr (All Year)		
EQT0071	13-02 - Tank No. 110, PV			8760 hr/yr (All Year)		
EQT0072	14-02 - Tank No. 111, PV			8760 hr/yr (All Year)		
EQT0073	15-02 - Tank No. 112, PV			8760 hr/yr (All Year)		
EQT0074	16-02 - Tank No. 113, PV			8760 hr/yr (All Year)		
EQT0075	17-02 - Tank No. 114, PV			8760 hr/yr (All Year)		
EQT0076	18-02 - Tank No. 115, PV			8760 hr/yr (All Year)		
EQT0077	19-02 - Tank No. 116, PV			8760 hr/yr (All Year)		
EQT0078	20-02 - 20-02, Tank No. 117, PV			8760 hr/yr (All Year)		
EQT0079	1-07 - Tank No. 1	3.13 million gallons	919.8 MM gallons/yr	FR, routed to Enclosed Vapor Combustor (1-91)	8760 hr/yr (All Year)	
EQT0080	2-07 - Refinery Cooling Tower No. 3			8760 hr/yr (All Year)		
EQT0081	1-08 - No. 2 Hot Oil Heater	145 MM BTU/hr	30000 gallons/min	8760 hr/yr (All Year)		
EQT0082	3-08 - Gas Oil Heater Unit	82 MM BTU/hr	120 MM BTU/hr	8760 hr/yr (All Year)		
EQT0083	4-08 - No. 3 Boiler	225 MM BTU/hr	80 MM BTU/hr	8760 hr/yr (All Year)		
EQT0084	5-08 - Sulfur Recovery Unit Incinerator No. 2	3.2 MM BTU/hr	180 MM BTU/hr	8760 hr/yr (All Year)		
EQT0085	6-08 - Charge Heater No. 2	40 MM BTU/hr	3.2 MM BTU/hr	8760 hr/yr (All Year)		
EQT0086	7-08 - No. 2 Flare Stack	240 scf/hr	30 MM BTU/hr	8760 hr/yr (All Year)		
EQT0087	8-08 - Carbon Adsorption System			8760 hr/yr (All Year)		
EQT0088	9-08 - Tank No. 29			8760 hr/yr (All Year)		
EQT0089	10-08 - Tank No. 30	2.31 million gallons	766.5 MM gallons/yr	FR, routed to Enclosed Vapor Combustor (1-91)	8760 hr/yr (All Year)	
FUG0001	1-81 - Fugitive Emissions	3.05 million gallons	919.8 MM gallons/yr			8760 hr/yr (All Year)

INVENTORIES

AI ID: 2366 - Placid Refining Co LLC - Port Allen Refinery
 Activity Number: PER2008002
 Permit Number: 3120-00012-V6
 Air - Title V Regular Permit Major Mod

Stack Information:

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (°F)
PRC: Port Allen Refinery							
EQT0005	1-74A&B - Crude Heaters	21.3	25143	5		105	730
EQT0016	18-74 - Flare Stack	2	380	2		150	68
EQT0025	1-77 - Fluid Catalytic Cracker	43.33	86281	6.5		199	149
EQT0026	2-77A&B - Vacuum Crude Tower Heater	27.8	20952	4		54.5	670
EQT0027	4-77 - Boiler No 1/Gas Turbine-1	103.4	78000	4		38.5	385
EQT0028	5-77 - Boiler No. 2/Gas Turbine-2	103.4	78000	4		38.5	385
EQT0029	6-77 - Sulfur Recovery Unit Incinerator	22.8	17188	4		100	950
EQT0034	2-82 - Hot Oil Heater	13.2	39973	8		165	275
EQT0038	1-85 - FCCU Preheater	10.2	11973	5		60	458
EQT0039	2-85 - Reformer Heater Stack	20	56915	7.77		183	325
EQT0041	1-91 - Enclosed Vapor Combustor	62.6	390132	11.5		66	1800
EQT0042	2-91 - Charge Heater	63.17	33078	3.33		85	750
EQT0043	3-91 - Stripper Reboiler	59.22	41004	3.83		100	720
EQT0081	1-08 - No. 2 Hot Oil Heater	25	1164	7.7		183	275
EQT0082	3-08 - Gas Oil Heater Unit	23	38900	6		150	710
EQT0083	4-08 - No. 3 Boiler	30	68000	7		38.5	450
EQT0084	5-08 - Sulfur Recovery Unit Incinerator No. 2	85	15800	2		150	1150
EQT0085	6-08 - Charge Heater No. 2	26	15100	3.5		90	750
EQT0086	7-08 - No. 2 Flare Stack	.5	100	2		150	800
EQT0087	8-08 - Carbon Adsorption System	50	1600	.83		25	125

Relationships:

ID	Description	Relationship	ID	Description
EQT0041	1-91. Enclosed Vapor Combustor	Controls emissions from	EQT0008	10-74. Tank No. 8
EQT0041	1-91. Enclosed Vapor Combustor	Controls emissions from	EQT0011	13-74. Tank No. 14
EQT0041	1-91. Enclosed Vapor Combustor	Controls emissions from	EQT0012	14-74. Tank No. 15
EQT0041	1-91. Enclosed Vapor Combustor	Controls emissions from	EQT0015	17-74. Marine Loading
EQT0041	1-91. Enclosed Vapor Combustor	Controls emissions from	EQT0030	11-77. Tank No. 18
EQT0041	1-91. Enclosed Vapor Combustor	Controls emissions from	EQT0040	4-85. Tank No. 26
EQT0041	1-91. Enclosed Vapor Combustor	Controls emissions from	EQT0045	2-96. Tank No. 4
EQT0041	1-91. Enclosed Vapor Combustor	Controls emissions from	EQT0049	8-96. Tank No. 3
EQT0041	1-91. Enclosed Vapor Combustor	Controls emissions from	EQT0050	9-96. Tank No. 5
EQT0041	1-91. Enclosed Vapor Combustor	Controls emissions from	EQT0051	10-96. Tank No. 6
EQT0041	1-91. Enclosed Vapor Combustor	Controls emissions from	EQT0052	11-96. Tank No. 7
EQT0041	1-91. Enclosed Vapor Combustor	Controls emissions from	EQT0057	1-01. Tank No. 28

INVENTORIES

AI ID: 2366 - Placid Refining Co LLC - Port Allen Refinery
 Activity Number: PER2008002
 Permit Number: 3120-00012-V6
 Air - Title V Regular Permit Major Mod

Relationships:

ID	Description	Relationship	ID	Description
EQT0041	1-91, Enclosed Vapor Combustor	Controls emissions from	EQT0058	2-01, Tank No. 2
EQT0041	1-91, Enclosed Vapor Combustor	Controls emissions from	EQT0079	1-07, Tank No. 1
EQT0041	1-91, Enclosed Vapor Combustor	Controls emissions from	EQT0089	10-08, Tank No. 30
EQT0087	8-08, Carbon Adsorption System	Controls emissions from	EQT0020	23-74, Tank No. 58
EQT0087	8-08, Carbon Adsorption System	Controls emissions from	EQT0036	1-83, Tank No. 27
EQT0087	8-08, Carbon Adsorption System	Controls emissions from	EQT0044	1-96, Tank No. 67
EQT0087	8-08, Carbon Adsorption System	Controls emissions from	EQT0046	3-96, Tank No. 60
EQT0087	8-08, Carbon Adsorption System	Controls emissions from	EQT0047	4-96, Tank No. 61
EQT0087	8-08, Carbon Adsorption System	Controls emissions from	EQT0048	5-96, Tank No. 62
EQT0087	8-08, Carbon Adsorption System	Controls emissions from	EQT0053	12-96, Tank No. 64
EQT0087	8-08, Carbon Adsorption System	Controls emissions from	EQT0056	1-97, Tank No. 63
EQT0087	8-08, Carbon Adsorption System	Controls emissions from	EQT0037	2-83, Truck Loading Facility
EQT0087	8-08, Carbon Adsorption System	Controls emissions from	EQT0015	17-74, Marine Loading

Subject Item Groups:

ID	Group Type	Group Description
GRP0012	Equipment Group	11-08 - Sulfur Recovery Unit Incinerator CAP
GRP0013	Equipment Group	CO-TC - Crude Oil Tanks CAP
GRP0014	Equipment Group	GB-TC - Gasoline Blending Tanks CAP
GRP0015	Equipment Group	GR-TC - Gasoline Rack Tanks CAP
GRP0016	Equipment Group	PHV-TC - Placid Heavy VOL Tanks CAP
GRP0017	Equipment Group	PHV-RTC - Placid Heavy VOL Rack Tanks CAP
GRP0018	Equipment Group	PHV-SLTC - P Heavy VOL Slop Tank CAP
GRP0019	Equipment Group	PMRL-TC - P Mid Range Light VOL Tank CAP
GRP0020	Equipment Group	VWWT-TC - Wastewater Tank CAP
UNF0001	Unit or Facility Wide	PRC - Placid Refining Co LLC, Port Allen Refinery

Group Membership:

ID	Description	Member of Groups
EQT0006	8-74 - Tank No. 12	GRP0000000019
EQT0007	9-74 - Tank No. 11	GRP0000000019
EQT0008	10-74 - Tank No. 8	GRP0000000016
EQT0009	11-74 - Tank No. 10	GRP0000000019
EQT0011	13-74 - Tank No. 14	GRP0000000016
EQT0012	14-74 - Tank No. 15	GRP0000000016
EQT0013	15-74 - Tank No. 16	GRP0000000019
EQT0014	16-74 - Tank No. 17	GRP0000000020
EQT0017	19-74 - Tank No. 9	GRP0000000014
EQT0018	21-74 - Tank No. 65	GRP0000000018

INVENTORIES

AI ID: 2366 - Placid Refining Co LLC - Port Allen Refinery
 Activity Number: PER2008002
 Permit Number: 3120-00012-V6
 Air - Title V Regular Permit Major Mod

Group Membership:

Group Membership:		Description	Member of Groups
ID	ID		
EQT0019	22-74 - Tank No. 66		GRP00000000018
EQT0021	1-75 - Tank No 19		GRP00000000014
EQT0022	2-75 - Tank No. 20		GRP00000000014
EQT0023	3-75 - Tank No. 22		GRP00000000014
EQT0029	6-77 - Sulfur Recovery Unit Incinerator		GRP00000000012
EQT0030	11-77 - Tank No 18		GRP00000000016
EQT0031	12-77 - Tank No. 23		GRP00000000013
EQT0032	13-77 - Tank No. 24		GRP00000000013
EQT0033	1-82 - Tank No. 940		GRP00000000020
EQT0035	3-82 - Tank No. 25		GRP00000000013
EQT0044	1-96 - Tank No 67		GRP00000000015
EQT0045	2-96 - Tank No 4		GRP00000000019
EQT0046	3-96 - Tank No. 50		GRP00000000015
EQT0047	4-96 - Tank No 61		GRP00000000017
EQT0048	5-96 - Tank No. 62		GRP00000000015
EQT0049	8-96 - Tank No. 3		GRP00000000016
EQT0050	9-96 - Tank No. 5		GRP00000000016
EQT0051	10-96 - Tank No. 6		GRP00000000019
EQT0052	11-96 - Tank No 7		GRP00000000016
EQT0053	12-96 - Tank No. 64		GRP00000000017
EQT0056	1-97 - Tank No. 63		GRP00000000015
EQT0057	1-01 - Tank No. 28		GRP00000000016
EQT0058	2-01 - Tank No. 2		GRP00000000016
EQT0079	1-07 - Tank No. 1		GRP00000000016
EQT0084	5-08 - Sulfur Recovery Unit Incinerator No. 2		GRP00000000012
EQT0088	9-08 - Tank No. 29		GRP00000000019
EQT0089	10-08 - Tank No. 30		GRP00000000016

NOTE: The UNF group relationship is not printed in this table. Every subject item is a member of the UNF group

Annual Maintenance Fee:

Fee Number	Air Contaminant Source	Multiplier	Units Of Measure
0720	Petroleum Refining (Rated Capacity)	75	1,000 BBL/Day

SIC Codes:

2911	Petroleum refining	
		AI2366

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 2366 - Placid Refining Co LLC - Port Allen Refinery

Activity Number: PER20080002

Permit Number: 3120-00012-V6

Air - Title V Regular Permit Major Mod

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year												
PRC, Port Allen Refinery															
EQT 0005 1-744AB 12-74	4.20	4.45	18.40	8.84	9.36	38.72	0.29	0.30	1.26	5.08	5.38	22.25	0.10	0.11	0.45
EQT 0010 1-74														0.58	2.53
EQT 0015 17-74														1.76	12.60
EQT 0016 18-74	0.09	0.09	0.39	0.02	0.02	0.07	0.002	0.002	0.01	<0.001	<0.001	0.03	0.03	0.03	0.15
EQT 0025 1-77	24.98	137.38	109.40	32.82	36.10	143.75	10.26	11.25	44.95	14.27	31.39	62.49	5.35	5.89	23.43
EQT 0026 2-77AAB 4-77	2.50	2.96	10.93	4.44	5.28	19.46	0.17	0.20	0.75	3.02	3.59	13.22	0.06	0.07	0.27
EQT 0027 4-77	4.13	5.43	18.07	17.72	52.19	77.64	0.62	0.69	2.71	2.20	3.55	9.65	0.20	0.23	0.88
EQT 0028 5-77	3.85	5.17	16.88	17.66	27.2	77.35	0.59	0.68	2.59	2.19	3.53	9.59	0.19	0.22	0.84
EQT 0029 6-77		0.26			0.16			0.77			4.25			0.002	
EQT 0034 2-82	3.46	4.45	15.15	5.60	7.20	24.53	0.24	0.30	1.04	4.18	5.38	18.32	0.08	0.11	0.37
EQT 0038 1-85	0.36	0.37	1.59	4.89	5.00	21.41	0.07	0.08	0.33	1.31	1.34	5.76	0.03	0.03	0.12
EQT 0039 2-85	10.53	10.53	46.10	10.67	10.67	46.73	0.25	0.25	1.11	4.48	4.48	19.63	0.09	0.09	0.39
EQT 0041 1-91	2.10	3.36	9.20	2.50	4.00	10.95	0.19	0.30	0.83	0.02	0.02	0.07	2.46	20.91	10.78
EQT 0042 2-91	0.25	0.33	1.08	1.50	2.00	6.57	0.05	0.07	0.22	0.90	1.20	3.93	0.02	0.02	0.08
EQT 0043 3-91	0.26	0.29	1.15	1.60	1.75	7.01	0.05	0.06	0.24	0.96	1.05	4.19	0.02	0.02	0.08
EQT 0054 13-96														1.34	5.87
EQT 0059 1-02														0.84	3.68
EQT 0060 2-02														1.68	1.68
EQT 0080 2-07														1.26	5.52
EQT 0081 1-08	2.96	3.58	12.99	4.80	5.80	21.02	0.20	0.25	0.89	3.59	4.33	15.70	0.07	0.09	0.32
EQT 0082 3-08	2.64	2.70	11.54	3.20	3.28	14.02	0.14	0.14	0.59	2.39	2.45	10.47	0.05	0.05	0.21
EQT 0083 4-08	1.48	1.85	6.49	7.20	9.00	31.54	0.30	0.38	1.34	5.38	6.72	23.56	0.11	0.14	0.47
EQT 0084 5-08		0.26			0.16			0.77			4.25				

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 2366 - Placid Refining Co LLC - Port Allen Refinery
 Activity Number: PER20080002
 Permit Number: 3120-00012-V6
 Air - Title V Regular Permit Major Mod

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year												
PRC, Port Allen Refinery															
EQT 0085 6-08	0.25	0.33	1.08	1.20	1.60	5.26	0.05	0.07	0.22	0.90	1.20	3.93	0.02	0.02	0.08
EQT 0086 7-08	0.09		0.39	0.02		0.07	0.002		0.01	<0.001		<0.01	0.03		0.15
EQT 0087 8-08													2.43	11.44	10.64
FUG 0001 1-01													18.30		80.03
GRP 0012 11-08	0.53		2.31	0.32		1.40	1.55	6.78	8.49			37.19	0.004		0.02
GRP 0013 CO-TC													1.19		5.19
GRP 0014 GB-TC													1.37		6.02
GRP 0018 PHV-SLTC													0.02		0.07
GRP 0019 PNRL-TC													3.50		15.35
GRP 0020 WWR-TC													0.01		0.03

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote.

Emission rates Notes:

EQT 0028 NOx Max lb/hr
 EQT 0028 NOx Max lb/hr
 and <= 119.2 tons per year, using combination of refinery fuel gas and natural gas as fuel applies to the Boiler. [PSD-LA-522] Which Months All Year
 and <= 119.2 tons per year, using combination of refinery fuel gas and natural gas as fuel. [PSD-LA-522] Which Months All Year

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 2366 - Placid Refining Co LLC - Port Allen Refinery

Activity Number: PER20080002

Permit Number: 3120-00012-V6

Air - Title V Regular Permit Major Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0010 12-74	1,3-Butadiene	0.003		0.02
	2,2,4-Trimethylpentane	< 0.001		< 0.01
	Benzene	0.002		0.01
	Biphenyl	< 0.001		< 0.01
	Butene (mixed isomers)	0.02		0.07
	Cresol	< 0.001		< 0.01
	Cumene	< 0.001		< 0.01
	Ethyl benzene	< 0.001		< 0.01
	Ethylene	< 0.001		< 0.01
	Naphthalene (and Methyl naphthalenes)	< 0.001		< 0.01
	Propylene	0.02		0.07
	Styrene	< 0.001		< 0.01
	Toluene	0.001		0.01
	Xylene (mixed isomers)	< 0.001		< 0.01
EQT 0015 17-74	n-Hexane	0.01		0.04
	1,3-Butadiene	0.22	1.56	0.95
	2,2,4-Trimethylpentane	0.02	0.12	0.08
	Benzene	0.03	0.25	0.15
	Biphenyl	< 0.001	0.001	< 0.01
	Butene (mixed isomers)	0.22	1.56	0.95
	Cresol	< 0.001	0.001	< 0.01
	Cumene	0.003	0.02	0.01
	Ethyl benzene	0.004	0.03	0.02
	Ethylene	< 0.001	< 0.001	< 0.01
	Naphthalene (and Methyl naphthalenes)	0.001	0.01	< 0.01
	Phenol	0.001	0.01	0.01
	Propylene	0.04	0.29	0.18
	Styrene	0.002	0.02	0.01
	Toluene	0.04	0.29	0.18
EQT 0025 1-77	Xylene (mixed isomers)	0.04	0.28	0.17
	n-Hexane	0.05	0.39	0.24
	1,3-Butadiene	0.05	0.05	0.21
	Antimony (and compounds)	0.01	0.01	0.05
	Formaldehyde	0.12	0.13	0.52

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 2366 - Placid Refining Co LLC - Port Allen Refinery

Activity Number: PER20080002

Permit Number: 3120-00012-V6

Air - Title V Regular Permit Major Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EOT 0025 1-77	Nickel (and compounds)	0.02	0.02	0.09
	Sulfuric acid	0.25	0.28	1.11
	n-Hexane	0.46	0.51	2.02
EOT 0029 6-77	Carbon disulfide		0.005	
	Carbonyl sulfide		0.01	
	Hydrogen sulfide		0.05	
EOT 0041 1-91	1,3-Butadiene	0.02	0.08	0.11
	2,2,4-Trimethylpentane	0.01	0.12	0.06
	Arsenic (and compounds)	< 0.001	< 0.001	< 0.001
	Barium (and compounds)	< 0.001	< 0.001	< 0.001
	Benzene	0.01	0.08	0.05
	Beryllium (Table 51.1)	< 0.001	< 0.001	< 0.001
	Biphenyl	< 0.001	< 0.001	< 0.01
	Butene (mixed isomers)	0.05	0.32	0.22
	Cadmium (and compounds)	< 0.001	< 0.001	< 0.001
	Chromium VI (and compounds)	< 0.001	< 0.001	< 0.001
	Cobalt compounds	< 0.001	< 0.001	< 0.01
	Copper (and compounds)	< 0.001	< 0.001	< 0.001
	Cresol	< 0.001	< 0.001	< 0.01
	Cumene	< 0.001	0.001	< 0.01
	Ethyl benzene	0.001	0.004	< 0.01
	Ethylene	< 0.001	< 0.001	< 0.01
	Formaldehyde	0.002	0.003	0.01
	Hydrogen sulfide	0.01	0.09	0.04
	Lead compounds	< 0.001	< 0.001	< 0.01
	Manganese (and compounds)	< 0.001	< 0.001	< 0.01
	Mercury (and compounds)	< 0.001	< 0.001	< 0.001
	Naphthalene (and Methyl naphthalenes)	< 0.001	< 0.001	< 0.01
	Nickel (and compounds)	< 0.001	< 0.001	< 0.001
	Phenol	< 0.001	< 0.001	< 0.01
	Polynuclear Aromatic Hydrocarbons	< 0.001	< 0.001	< 0.001
	Propylene	0.02	0.13	0.08
	Selenium (and compounds)	< 0.001	< 0.001	< 0.001
	Styrene	< 0.001	0.001	< 0.01

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 2366 - Placid Refining Co LLC - Port Allen Refinery

Activity Number: PER20080002

Permit Number: 3120-00012-V6

Air - Title V Regular Permit Major Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0041 1-91	Toluene	0.01	0.06	0.04
	Xylene (mixed isomers)	0.01	0.03	0.03
	Zinc (and compounds)	0.001	0.001	< 0.01
	n-Hexane	0.06	0.17	0.26
EQT 0054 13-96	1,1,1-Trichloroethane	< 0.001		< 0.01
	1,2-Dichloroethane	< 0.001		< 0.001
	Benzene	0.67		2.93
	Chlorobenzene	< 0.001		< 0.001
	Chloroform	< 0.001		< 0.01
	Cresol	< 0.001		< 0.01
	Dibutyl phthalate	< 0.001		< 0.01
	Dichloromethane	< 0.001		< 0.01
	Ethyl benzene	0.06		0.26
	Naphthalene (and Methyl naphthalenes)	0.02		0.09
	Phenol	0.03		0.13
	Tetrachloroethylene	< 0.001		< 0.01
	Toluene	0.55		2.41
	bis(2-ethylhexyl)phthalate	< 0.001		0.001
	pentachloro-Phenol	< 0.001		0.002
EQT 0059 1-02	1,1,1-Trichloroethane	0.01	0.01	0.04
	1,2-Dichloroethane	0.01	0.01	0.04
	Benzene	0.01	0.01	0.04
	Chlorobenzene	0.01	0.01	0.04
	Chloroform	0.01	0.01	0.04
	Dichloromethane	0.01	0.01	0.04
	Ethyl benzene	0.01	0.01	0.04
	Tetrachloroethylene	0.01	0.01	0.04
	Toluene	0.01	0.01	0.04
EQT 0060 2-02	1,1,1-Trichloroethane	0.02	0.02	0.09
	1,2-Dichloroethane	0.02	0.02	0.09
	Benzene	0.02	0.02	0.09
	Chlorobenzene	0.02	0.02	0.09
	Chloroform	0.02	0.02	0.09
	Dichloromethane	0.02	0.02	0.09

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 2366 - Placid Refining Co LLC - Port Allen Refinery

Activity Number: PER20080002

Permit Number: 3120-00012-V6

Air - Title V Regular Permit Major Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0060 2-02	Ethyl benzene	0.02	0.02	0.09
	Tetrachloroethylene	0.02	0.02	0.09
	Toluene	0.02	0.02	0.09
EQT 0080 2-07	1,1,1-Trichloroethane	0.01	0.01	0.04
	1,2-Dichloroethane	0.01	0.01	0.04
	Benzene	0.01	0.01	0.04
	Chlorobenzene	0.01	0.01	0.04
	Chloroform	0.01	0.01	0.04
	Dichloromethane	0.01	0.01	0.04
	Ethyl benzene	0.01	0.01	0.04
	Tetrachloroethylene	0.01	0.01	0.04
	Toluene	0.01	0.01	0.04
EQT 0084 5-08	Carbon disulfide		0.005	
	Carbonyl sulfide		0.01	
	Hydrogen sulfide		0.04	
EQT 0087 8-08	1,3-Butadiene	0.04	0.17	0.16
	2,2,4-Trimethylpentane	0.01	0.03	0.03
	Benzene	0.01	0.03	0.03
	Biphenyl	< 0.001	< 0.001	< 0.01
	Butene (mixed isomers)	0.03	0.11	0.14
	Cresol	< 0.001	< 0.001	< 0.01
	Cumene	< 0.001	< 0.001	< 0.01
	Ethyl benzene	< 0.001	0.001	< 0.01
	Ethylene	< 0.001	< 0.001	< 0.01
	Methanol	0.001	0.004	< 0.01
	Naphthalene (and Methyl naphthalenes)	< 0.001	< 0.001	< 0.01
	Phenol	< 0.001	< 0.001	< 0.01
	Propylene	0.09	0.42	0.39
	Styrene	< 0.001	< 0.001	< 0.01
	Toluene	0.01	0.08	0.03
FUG 0001 1-81	Xylene (mixed isomers)	0.002	0.01	0.01
	n-Hexane	0.01	0.05	0.05
	1,3-Butadiene	0.24		1.06
	2,2,4-Trimethylpentane	0.05		0.22

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 2366 - Placid Refining Co LLC - Port Allen Refinery

Activity Number: PER20080002

Permit Number: 3120-00012-V6

Air - Title V Regular Permit Major Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
FUG 0001 1-81	Benzene	0.05		0.20
	Biphenyl	< 0.001		< 0.01
	Butene (mixed isomers)	0.19		0.82
	Cresol	< 0.001		< 0.01
	Cumene	< 0.001		< 0.01
	Ethyl benzene	0.002		0.01
	Ethylene	< 0.001		< 0.01
	Hydrofluoric acid	0.02		0.09
	Methanol	0.01		0.02
	Naphthalene	< 0.001		< 0.01
	Phenol	< 0.001		< 0.01
	Propylene	0.65		2.86
	Styrene	< 0.001		< 0.01
	Toluene	0.04		0.17
GRP 0012 11-08	Xylene (mixed isomers)	0.01		0.06
	n-Hexane	0.11		0.47
	Carbon disulfide	0.01		0.04
GRP 0013 CO-TC	Carbonyl sulfide	0.02		0.08
	Hydrogen sulfide	0.09		0.39
	1,3-Butadiene	0.01		0.03
	2,2,4-Trimethylpentane	< 0.001		< 0.01
	Benzene	0.003		0.02
	Biphenyl	< 0.001		< 0.01
	Butene (mixed isomers)	0.03		0.14
	Cresol	< 0.001		< 0.01
	Cumene	< 0.001		< 0.01
	Ethyl benzene	< 0.001		< 0.01
	Ethylene	< 0.001		< 0.01
	Naphthalene (and Methyl naphthalenes)	< 0.001		< 0.01
	Propylene	0.03		0.15
	Styrene	< 0.001		< 0.01
	Toluene	0.002		0.01
	Xylene (mixed isomers)	0.001		< 0.01
	n-Hexane	0.02		0.08

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 2366 - Placid Refining Co LLC - Port Allen Refinery

Activity Number: PER20080002

Permit Number: 3120-00012-V6

Air - Title V Regular Permit Major Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
GRP 0014 GB-TC	1,3-Butadiene	0.02		0.09
	2,2,4-Trimethylpentane	0.004		0.02
	Benzene	0.003		0.01
	Butene (mixed isomers)	0.01		0.05
	Cumene	< 0.001		< 0.01
	Ethyl benzene	< 0.001		< 0.01
	Ethylene	< 0.001		< 0.01
	Methanol	< 0.001		< 0.01
	Naphthalene (and Methyl naphthalenes)	< 0.001		< 0.01
	Phenol	< 0.001		< 0.01
	Propylene	0.05		0.22
	Styrene	< 0.001		< 0.01
	Toluene	0.003		0.01
GRP 0018 PHV-SLTC	Xylene (mixed isomers)	0.001		< 0.01
	n-Hexane	0.01		0.03
	1,3-Butadiene	0.002		0.01
	2,2,4-Trimethylpentane	< 0.001		< 0.01
	Benzene	< 0.001		< 0.01
	Biphenyl	< 0.001		< 0.01
	Butene (mixed isomers)	0.002		0.01
	Cresol	< 0.001		< 0.01
	Cumene	< 0.001		< 0.01
	Ethyl benzene	< 0.001		< 0.01
	Ethylene	< 0.001		< 0.01
	Naphthalene (and Methyl naphthalenes)	< 0.001		< 0.01
	Phenol	< 0.001		< 0.01
GRP 0019 PMRL-TC	Propylene	< 0.001		< 0.01
	Styrene	< 0.001		< 0.01
	Toluene	< 0.001		< 0.01
	Xylene (mixed isomers)	< 0.001		< 0.01
	n-Hexane	< 0.001		< 0.01
	1,3-Butadiene	0.005		0.02
	2,2,4-Trimethylpentane	0.02		0.09
	Benzene	0.01		0.05

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 2366 - Placid Refining Co LLC - Port Allen Refinery

Activity Number: PER20080002

Permit Number: 3120-00012-V6

Air - Title V Regular Permit Major Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
GRP 0019 PMRL-TC	Biphenyl	< 0.001		< 0.01
	Butene (mixed isomers)	0.05		0.20
	Cumene	< 0.001		< 0.01
	Ethyl benzene	0.001		< 0.01
	Ethylene	< 0.001		< 0.01
	Hydrogen sulfide	0.02		0.07
	Naphthalene (and Methyl naphthalenes)	< 0.001		< 0.01
	Propylene	0.02		0.09
	Styrene	< 0.001		< 0.01
	Toluene	0.01		0.03
	Xylene (mixed isomers)	0.004		0.02
GRP 0020 WWT-TC	n-Hexane	0.01		0.06
	1,3-Butadiene	< 0.001		< 0.001
	2,2,4-Trimethylpentane	< 0.001		< 0.01
	Benzene	< 0.001		< 0.01
	Butene (mixed isomers)	< 0.001		< 0.01
	Ethyl benzene	< 0.001		< 0.01
	Ethylene	< 0.001		< 0.01
	Propylene	< 0.001		< 0.01
	Styrene	< 0.001		< 0.01
	Toluene	< 0.001		< 0.01
	Xylene (mixed isomers)	< 0.001		< 0.01
UNF 0001 PRC	n-Hexane	< 0.001		< 0.01
	1,1,1-Trichloroethane			0.18
	1,2-Dichloroethane			0.18
	1,3-Butadiene			2.65
	2,2,4-Trimethylpentane			0.50
	Antimony (and compounds)			0.05
	Arsenic (and compounds)			< 0.001
	Barium (and compounds)			< 0.001
	Benzene			3.62
	Beryllium (Table 51.1)			< 0.001
	Biphenyl			< 0.01
	Butene (mixed isomers)			2.59

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 2366 - Placid Refining Co LLC - Port Allen Refinery

Activity Number: PER20080002

Permit Number: 3120-00012-V6

Air - Title V Regular Permit Major Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
UNF 0001 PRC	Cadmium (and compounds)			< 0.001
	Carbon disulfide			0.04
	Carbonyl sulfide			0.08
	Chlorobenzene			0.18
	Chloroform			0.18
	Chromium VI (and compounds)			< 0.001
	Cobalt compounds			< 0.01
	Copper (and compounds)			< 0.001
	Cresol			< 0.01
	Cumene			0.02
	Dibutyl phthalate			< 0.01
	Dichloromethane			0.18
	Ethyl benzene			0.47
	Ethylene			< 0.01
	Formaldehyde			0.53
	Hydrofluoric acid			0.09
	Hydrogen sulfide			0.50
	Lead compounds			< 0.01
	Manganese (and compounds)			< 0.01
	Mercury (and compounds)			< 0.001
	Methanol			0.03
	Naphthalene (and Methyl naphthalenes)			0.09
	Nickel (and compounds)			0.09
	Phenol			0.14
	Polynuclear Aromatic Hydrocarbons			< 0.001
	Propylene			4.04
	Selenium (and compounds)			< 0.001
	Styrene			0.01
	Sulfuric acid			1.11
	Tetrachloroethylene			0.18
	Toluene			3.06
	Xylene (mixed isomers)			0.29
	Zinc (and compounds)			< 0.01
	bis(2-ethylhexyl)phthalate			0.001

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 2366 - Placid Refining Co LLC - Port Allen Refinery

Activity Number: PER20080002

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Air - Title V Regular Permit Major Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
UNF 0001 PRC	n-Hexane			3.24
	pentachloro-Phenol			0.002

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote. Emission rates attributed to the UNF reflect the sum of the TAP/HAP limits of the individual emission points (or caps) under this permit, but do not constitute an emission cap.

SPECIFIC REQUIREMENTS

AI ID: 2166 - Placid Refining Co LLC - Port Allen Refinery
Activity Number: PER20080002
Permit Number: 3120-00012-V6
Air - Title V Regular Permit Major Mod

EQT0005 1-74A&B, Crude Heaters

- 1 [40 CFR 60.104(a)(1)]
Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm). Shall report all exceedances as per 40 CFR 60.105(e)(3)(ii). Subpart J. [40 CFR 60.104(a)(1), 40 CFR 60.105(e)(3)(ii)]
Which Months: All Year Statistical Basis: Three-hour rolling average
Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]
Which Months: All Year Statistical Basis: None specified
Permittee shall maintain and operate H2S Continuous Emission Monitoring Systems (CEMS) in accordance with the quantity assurance and quality control measures as per NSPS, 40 CFR 60, Appendix F. Subpart J. [40 CFR 60.105(a)(4)]
Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]
Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J.
Opacity <= 20 percent, except during the cleaning of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
Which Months: All Year Statistical Basis: None specified
Total suspended particulate <= 0.6 lb/MMBTU of heat input.
Which Months: All Year Statistical Basis: None specified
Compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart J has been determined to be compliance in accordance with LAC 33:III:Chapter 1.5. [LAC 33:III:1503, LAC 33:III:1513]
Nitrogen oxides <= 0.08 lb/MMBTU.
Which Months: May-Sep Statistical Basis: Thirty-day rolling average
Nitrogen oxides monitored by technically sound method continuously.
Which Months: May-Sep Statistical Basis: Thirty-day rolling average
Fuel monitored by totalizer continuously. Monitor fuel usage with a totalizing fuel meter.
Which Months: May-Sep Statistical Basis: None specified
Oxygen monitored by the regulation's specified method(s) continuously. Monitor oxygen concentration with an oxygen monitor.
Which Months: May-Sep Statistical Basis: None specified
Operate the process heater/furnace within the fuel and oxygen limits established during the initial compliance run.
Fuel recordkeeping by electronic or hard copy daily. Record fuel gas composition.
Submit Notification: Due at least 30 days prior to any compliance testing conducted under LAC 33:III:2201.G and any CEMS or PEMs performance evaluation conducted under LAC 33:III:2201.H in order to give DEQ an opportunity to conduct a pretest meeting and observe the emission testing.
Submit test results: Due within 60 days after completing the emission testing required in LAC 33:III:2201.I.1.
Submit report: Due within 90 days of the end of each quarter for any noncompliance of the applicable emission limitations of LAC 33:III:2201.D or E. Include the information specified in LAC 33:III:2201.I.2.a through I.2.d.
Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records of the information specified in LAC 33:III:2201.I.3 and I.4 as applicable.
- 2 [40 CFR 60.105(a)(4)]
- 3 [40 CFR 60.105(a)(4)]
- 4 [40 CFR 60.106(a)]
- 5 [40 CFR 60.106]
- 6 [LAC 33:III:1101.B]
- 7 [LAC 33:III:1313.C]
- 8 [LAC 33:III:1503]
- 9 [LAC 33:III:2201.D.]
- 10 [LAC 33:III:2201.D]
- 11 [LAC 33:III:2201.H.2.a.ii]
- 12 [LAC 33:III:2201.H.2.a.ii]
- 13 [LAC 33:III:2201.H.2.a.iii]
- 14 [LAC 33:III:2201.H.9]
- 15 [LAC 33:III:2201.I.]
- 16 [LAC 33:III:2201.I.1]
- 17 [LAC 33:III:2201.I.2]
- 18 [LAC 33:III:2201.I.]

SPECIFIC REQUIREMENTS

AI ID: 2366 - Placid Refining Co LLC - Port Allen Refinery

Activity Number: PER20080002

Permit Number: 3120-00012-V6

Air - Title V Regular Permit Major Mod

EQT0006 8-74, Tank No. 12

- 19 [40 CFR 60.112(a)(1)]
20 [40 CFR 60.113(a)]
Petroleum liquid storage data recordkeeping by electronic or hard copy continuously. Maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period, except as provided in 40 CFR 60.113(d). Subpart K. [40 CFR 60.113(a)]
- 21 [LAC 33:III.2103.B]
22 [LAC 33:III.2103.D.2.a]
23 [LAC 33:III.2103.D.2.b]
- 24 [LAC 33:III.2103.D.2.c]
- 25 [LAC 33:III.2103.D.2.d]
- 26 [LAC 33:III.2103.D.2.e]
- 27 [LAC 33:III.2103.D.2.e]
- 28 [LAC 33:III.2103.D.2.e]
- 29 [LAC 33:III.2103.D.2.e]
- 30 [LAC 33:III.2103.D.2.e]
- 31 [LAC 33:III.2103.D.3]
32 [LAC 33:III.2103.D.3]
- 33 [LAC 33:III.2103.D.4.a]
- 34 [LAC 33:III.2103.D.4.a]
- Equip with a floating roof, a vapor recovery system, or their equivalents. Subpart K. [40 CFR 60.112(a)(1)]
- Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric.
- Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall.
- Seal gap area <= 1 in²/ft of tank diameter (6.5 cm²/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
- Which Months: All Year Statistical Basis: None specified
Seal gap area <= 10 in²/ft of tank diameter (65 cm²/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
- Which Months: All Year Statistical Basis: None specified
Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2.
- Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts.
- Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs.
- Which Months: All Year Statistical Basis: None specified
Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.
- Which Months: All Year Statistical Basis: None specified
Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs.
- Which Months: All Year Statistical Basis: None specified
Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets.
- Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off or landed on the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening.
- Control nonslotted guide poles and stiling wells using pole wipers and gasketing between the well and sliding cover. Control slotted guide poles using a float with wiper, pole wiper, and gasketing between the well and sliding cover.
- Submit notification: Due to the Office of Environmental Assessment prior to installation of guide poles and stiling well systems. Submit a description of the method of control and supporting calculations based upon the Addendum to American Petroleum Institute Publication Number 2517 Evaporative Loss from External Floating Roof Tanks, May 1994, for approval.

SPECIFIC REQUIREMENTS

AI ID: 2366 - Placid Refining Co LLC - Port Allen Refinery
 Activity Number: PER20080002
 Permit Number: 3120-00012-V6
 Air - Title V Regular Permit Major Mod

EQT0006 8-74, Tank No. 12

- 35 [LAC 33:III.2103.D.4.d] Equipment/operational data monitored by visual inspection/determination semiannually. Inspect control systems required by LAC 33:III.2103.D.4 for rips, tears, visible gaps in the pole or float wiper, and/or missing sliding cover gaskets.
 Which Months: All Year Statistical Basis: None specified
 Initiate repairs of any rips, tears, visible gaps in the pole or float wiper, and/or missing sliding cover gaskets by ordering appropriate parts within seven working days after defect is identified, to avoid noncompliance with LAC 33:III.2103.D.4. Complete repairs within three months of the ordering of the repair parts.
- 36 [LAC 33:III.2103.D.4.d] Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b.
- 37 [LAC 33:III.2103.D] Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall.
- 38 [LAC 33:III.2103.D] Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1.
- 39 [LAC 33:III.2103.H.1] Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a.e.
- 40 [LAC 33:III.2103.H.3] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.
- 41 [LAC 33:III.2103.II]

EQT0007 9-74, Tank No. 11

- 42 [40 CFR 60.112(a)(1)] Equip with a floating roof, a vapor recovery system, or their equivalents. Subpart K. [40 CFR 60.112(a)(1)]
 43 [40 CFR 60.113(a)] Petroleum liquid storage data recordkeeping by electronic or hard copy continuously. Maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period, except as provided in 40 CFR 60.113(d). Subpart K. [40 CFR 60.113(a)]
 Equip with a submerged fill pipe.
- 44 [LAC 33:III.2103.B] Provide each opening in the internal floating roof (except rim space vents and automatic bleeder vents) with a projection below the liquid surface. In addition, provide each opening (except for leg sleeves, bleeder vents, rim space vents, column wells, ladder wells, sample wells, and stub drains) with a cover equipped with a gasket. Equip automatic bleeder vents and rim space vents with gaskets and equip ladder wells with a sliding cover.
- 45 [LAC 33:III.2103.C.2] Equip with an internal floating roof consisting of a pontoon type roof, double deck roof, or internal floating cover which will rest or float on the surface of the liquid contents and is equipped with a closure seal to close the space between the roof edge and tank wall. All tank gauging and sampling devices will be gas-tight except when gauging or sampling is taking place.
- 46 [LAC 33:III.2103.C] Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a.e.
- 47 [LAC 33:III.2103.H.3] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.
- 48 [LAC 33:III.2103.II]

EQT0008 10-74, Tank No. 8

- 49 [LAC 33:III.501.C.6] Emissions controlled by the existing Enclosed Vapor Combustor, Emission Point 1-91.

SPECIFIC REQUIREMENTS

AI ID: 2366 - Placid Refining Co LLC - Port Allen Refinery
Activity Number: PER20080002
Permit Number: 3120-00012-V6
Air - Title V Regular Permit Major Mod

EQT0009 11-74, Tank No. 10

- 50 [40 CFR 60.112(a)(1)] Equip with a floating roof, a vapor recovery system, or their equivalents. Subpart K. [40 CFR 60.112(a)(1)]
 Petroleum liquid storage data recordkeeping by electronic or hard copy continuously. Maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period, except as provided in 40 CFR 60.113(d). Subpart K.
- 51 [40 CFR 60.113] Equip with a submerged fill pipe.
- 52 [LAC 33:III.2103.B] Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric.
- 53 [LAC 33:III.2103.D.2.a] Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall.
- 54 [LAC 33:III.2103.D.2.b] Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm²/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
- 55 [LAC 33:III.2103.D.2.c] Which Months: All Year Statistical Basis: None specified
 Seal gap area <= 10 in^2/ft of tank diameter (65 cm²/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
- 56 [LAC 33:III.2103.D.2.d] Which Months: All Year Statistical Basis: None specified
 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2.
- 57 [LAC 33:III.2103.D.2.e] Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts.
- 58 [LAC 33:III.2103.D.2.e] Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs.
 Which Months: All Year Statistical Basis: None specified
- 59 [LAC 33:III.2103.D.2.e] Secondary Seal or closure mechanism monitored by visual inspection/determination semianually.
 Which Months: All Year Statistical Basis: None specified
- 60 [LAC 33:III.2103.D.2.e] Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs.
 Which Months: All Year Statistical Basis: None specified
- 61 [LAC 33:III.2103.D.2.e] Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets.
 Which Months: All Year Statistical Basis: None specified
- 62 [LAC 33:III.2103.D.3] Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off or landed on the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening.
 Control nonslotted guide poles and stilling wells using pole wipers and gasketing between the well and sliding cover.
- 63 [LAC 33:III.2103.D.3] using a float with wiper, pole wiper, and gasketing between the well and sliding cover.
- 64 [LAC 33:III.2103.D.4.a] Submit notification: Due to the Office of Environmental Assessment prior to installation of guide poles and stilling well systems. Submit a description of the method of control and supporting calculations based upon the Addendum to American Petroleum Institute Publication Number 2517 Evaporative Loss from External Floating Roof Tanks, May 1994, for approval.
- 65 [LAC 33:III.2103.D.4.a]

SPECIFIC REQUIREMENTS

AI ID: 2366 - Placid Refining Co LLC - Port Allen Refinery
 Activity Number: PER20080002
 Permit Number: 3120-00012-V6
 Alt - Title V Regular Permit Major Mod

EQT0009 11-74, Tank No. 10

- 66 [LAC 33:III.2103.D.4.d] Equipment/operational data monitored by visual inspection/determination semiannually. Inspect control systems required by LAC 33:III.2103.D.4 for rips, tears, visible gaps in the pole or float wiper, and/or missing sliding cover gaskets.
 Which Months: All Year Statistical Basis: None specified
 Initiate repairs of any rips, tears, visible gaps in the pole or float wiper, and/or missing sliding cover gaskets by ordering appropriate parts within seven working days after defect is identified, to avoid noncompliance with LAC 33:III.2103.D.4. Complete repairs within three months of the ordering of the repair parts.
- 67 [LAC 33:III.2103.D.4.d] Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b.
- 68 [LAC 33:III.2103.D] Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall.
- 69 [LAC 33:III.2103.D] Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1.
- 70 [LAC 33:III.2103.H.1] Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.
- 71 [LAC 33:III.2103.H.3] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.
- 72 [LAC 33:III.2103.I]

EQT0010 12-74, Tank No. 13

- 73 [40 CFR 60.112b(a)(1)(i)] Equip with a fixed roof in combination with an internal floating roof. The internal floating roof shall rest or float on the liquid surface (but not necessarily in complete contact with it) inside a storage vessel that has a fixed roof. The internal floating roof shall be floating on the liquid surface at all times, except during initial fill and during those intervals when the storage vessel is completely emptied or subsequently emptied and refilled. When the roof is resting on the leg supports, the process of filling, emptying, or refilling shall be continuous and shall be accomplished as rapidly as possible. Subpart Kb. [40 CFR 60.112b(a)(1)(ii)]
- 74 [40 CFR 60.112b(a)(1)(iii)(C)] Equip internal floating roof with a mechanical shoe seal consisting of a metal sheet held vertically against the wall of the storage vessel by springs or weighted levers and connected by braces to the floating roof. A flexible coated fabric (envelope) spans the annular space between the metal sheet and the floating roof. Subpart Kb. [40 CFR 60.112b(a)(1)(ii)(C), 40 CFR 60.112b(a)(1)(iii)-(ix)]
- 75 [40 CFR 60.112b(a)(1)] Each opening in a noncontact internal floating roof except for automatic bleeder vents (vacuum breaker vents) and the rim space vents is 10 provide a projection below the liquid surface. Equip each opening in the internal floating roof for leg sleeves, automatic bleeder vents, rim space vents, column wells, ladder wells, sample wells, and stub drains with a cover or lid and maintain in a closed position at all times (i.e., no visible gap) except when the device is in actual use. Equip the cover or lid with a gasket. Bolt covers on each access hatch and automatic gauge float well except when they are in use. Equip automatic bleeder vents with a gasket and set to open only when the internal floating roof is not floating or is being landed on the roof leg supports. Equip rim space vents with a gasket and set to open only when the internal floating roof is not floating or at the manufacturer's recommended setting. Each penetration of the internal floating roof for the purpose of sampling shall be a sample well. The sample well shall have a slit fabric cover that covers at least 90 percent of the opening. Each penetration of the internal floating roof that allows for passage of a column supporting the fixed roof shall have a flexible fabric sleeve seal or a gasketed sliding cover. Each penetration of the internal floating roof that allows for passage of a ladder shall have a gasketed sliding cover. Subpart Kb. [40 CFR 60.112b(a)(1)]

SPECIFIC REQUIREMENTS

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EQT0010 12-74, Tank No. 13

- 76 [40 CFR 60.113b(a)(1)] Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. Inspect the internal floating roof, or the primary seal, and the secondary seal (if one is in service), prior to filling the storage vessel with VOL. If there are holes, tears, or other openings in the primary seal, the secondary seal, or the seal fabric or defects in the internal floating roof, or both, repair the items before filling the storage vessel. Subpart Kb. [40 CFR 60.113b(a)(1)]
- Which Months: All Year Statistical Basis: None specified
 If the internal floating roof is not resting on the surface of the VOL inside the storage vessel, or there is liquid accumulated on the roof, or the seal is detached, or there are holes or tears in the seal fabric, repair the items or empty and remove the storage vessel from service within 45 days. If a failure that is detected during inspections required in this paragraph cannot be repaired within 45 days and if the vessel cannot be emptied within 45 days, request a 30-day extension from DEQ in the inspection report required in 40 CFR 60.115b(a)(3). Document in the request for extension that alternate storage capacity is unavailable and specify a schedule of actions the company will take that will assure that the control equipment will be repaired or the vessel will be emptied as soon as possible. Subpart Kb. [40 CFR 60.113b(a)(2)]
- 77 [40 CFR 60.113b(a)(2)] Tank roof and seals monitored by visual inspection/determination annually. Inspect the internal floating roof and the primary seal or the secondary seal (if one is in service) through manholes and roof hatches on the fixed roof at least once every 12 months after initial fill. If a failure is detected during inspections required in this paragraph initiate repair provisions. Subpart Kb. [40 CFR 60.113b(a)(2)]
- Which Months: All Year Statistical Basis: None specified
 If the internal floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, or the gaskets no longer close off the liquid surfaces from the atmosphere, or the slotted membrane has more than 10 percent open area, repair the items as necessary so that none of the conditions specified in this paragraph exist before refilling the storage vessel with VOL. In no event shall inspections conducted in accordance with this provision occur at intervals greater than 10 years in the case of vessels conducting the annual visual inspection as specified in 40 CFR 60.113b(a)(2) and (a)(3)(ii) and at intervals no greater than 5 years in the case of vessels specified in paragraph 40 CFR 60.113b(a)(3)(i) of this section. Subpart Kb. [40 CFR 60.113b(a)(4)]
- 78 [40 CFR 60.113b(a)(2)] Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. Inspect the internal floating roof, the primary seal, the secondary seal (if one is in service), gaskets, slotted membranes and sleeve seals (if any) each time the storage vessel is emptied and degassed. If a failure is detected during inspections required in this paragraph initiate repair provisions. Subpart Kb. [40 CFR 60.113b(a)(4)]
- 79 [40 CFR 60.113b(a)(4)] Which Months: All Year Statistical Basis: None specified
 Submit notification in writing. Due at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by 40 CFR 60.113b(a)(1) and (a)(4) to afford DEQ an opportunity to have an observer present. If the inspection required by paragraph 40 CFR 60.113b(a)(4) is not planned and the owner or operator could not have known about the inspection 30 days in advance or refilling the tank, notify DEQ at least 7 days prior to the refilling of the storage vessel. Notify by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, submit notification in writing including the written documentation and send by express mail so that it is received by DEQ at least 7 days prior to the refilling. Subpart Kb. [40 CFR 60.113b(a)(5)]
- 80 [40 CFR 60.113b(a)(4)] Submit a report. Due to DEQ as an attachment to the notification required by 40 CFR 60.7(a)(3). This report shall describe the control equipment and certify that the control equipment meets the specifications of 40 CFR 60.112b(a)(1) and 60.113b(a)(1). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(a)(1)]
- 81 [40 CFR 60.113b(a)(5)]
- 82 [40 CFR 60.115b(a)(1)]

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83 [40 CFR 60.115b(a)(2)]

Inspection records recordkeeping by electronic or hard copy upon each occurrence of inspection, per 40 CFR 60.113b(a)(1) through (4). Each record shall identify the storage vessel on which the inspection was performed and shall contain the date the vessel was inspected and the observed condition of each component of the control equipment (seals, internal floating roof, and fittings). Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.115b(a)(2)]

Submit a report: Due to DEQ within 30 days of the annual visual inspection required by 40 CFR 60.113b(a)(2) that detects any of the conditions described in 40 CFR 60.113b(a)(2). Each report shall identify the storage vessel, the nature of the defects, and the date the storage vessel was repaired or the nature of and date the repair was made. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(a)(3)]

Submit a report: Due to DEQ within 30 days of each inspection required by 40 CFR 60.113b(a)(1) or 40 CFR 60.113b(a)(3)(ii). The report shall identify the storage vessel, and the reason it did not meet the specifications of 40 CFR 61.112b(a)(1) or 40 CFR 60.113b(a)(3) and list each repair made. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(a)(4)]

Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. Keep copies of all records for the life of the source as specified by 40 CFR 60.116b(a). Subpart Kb. [40 CFR 60.116(b)]

VOL storage data recordkeeping by electronic or hard copy at the approved frequency. Records consist of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period. Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.116(c)]

Submit notification: Due within 30 days when the maximum true vapor pressure of the liquid exceeds the respective maximum true vapor pressure values for each volume range. Subpart Kb. [40 CFR 60.116(d)]

Equip with a submerged fill pipe.

Provide each opening in the internal floating roof (except rim space vents and automatic bleeder vents) with a projection below the liquid surface. In addition, provide each opening (except for leg sleeves, bleeder vents, rim space vents, column wells, ladder wells, sample wells, and stub drains) with a cover equipped with a gasket. Equip automatic bleeder vents and rim space vents with gaskets and equip ladder wells with a sliding cover.

Equip with an internal floating roof consisting of a pontoon type roof, double deck roof, or internal floating cover which will rest or float on the surface of the liquid contents and is equipped with a closure seal to close the space between the roof edge and tank wall. All tank gauging and sampling devices will be gas-tight except when gauging or sampling is taking place.

VOC, Total >= 95 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year.

Which Months: All Year Statistical Basis: None specified

Equip with a vapor loss control system, consisting of a gathering system capable of collecting volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place.

Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a.e.

Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.

SPECIFIC REQUIREMENTS

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EQT0011 13-74, Tank No. 14

96 [LAC 33:III.501.C.6]

Emissions controlled by the existing Enclosed Vapor Combustor, Emission Point 1-91.

EQT0012 14-74, Tank No. 15

97 [LAC 33:III.501.C.6]

Emissions controlled by the existing Enclosed Vapor Combustor, Emission Point 1-91.

EQT0013 15-74, Tank No. 16

98 [40 CFR 60.112(a)(1)]

99 [40 CFR 60.113]

- Equip with a floating roof, a vapor recovery system, or their equivalents. Subpart K. [40 CFR 60.112(a)(1)] Petroleum liquid storage data recordkeeping by electronic or hard copy continuously. Maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period, except as provided in 40 CFR 60.113(d). Subpart K.
- Equip with a submerged fill pipe.
- Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric.
- Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall.
- Seal gap area <= 1 in²/ft of tank diameter (6.5 cm²/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
- Which Months: All Year Statistical Basis: None specified
 Seal gap area <= 10 in²/ft of tank diameter (65 cm²/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
- Which Months: All Year Statistical Basis: Norie specified
 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2.
- Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts.
- Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs.
- Which Months: All Year Statistical Basis: None specified
 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.
- Which Months: All Year Statistical Basis: None specified
 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs.
- Which Months: All Year Statistical Basis: None specified
 Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets.

SPECIFIC REQUIREMENTS

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EQT0013 15-74, Tank No. 16

Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening.

Control nonslotted guide poles and stilling wells using pole wipers and gasketing between the well and sliding cover. Control slotted guide poles using a float with wiper, pole wiper, and gasketing between the well and sliding cover.

Submit notification to the Office of Environmental Assessment prior to installation of guide poles and stilling well systems. Submit a description of the method of control and supporting calculations based upon the Addendum to American Petroleum Institute Publication Number 2517 Evaporative Loss from External Floating Roof Tanks, May 1994, for approval.

Equipment/operational data monitored by visual inspection/determination semiannually. Inspect control systems required by LAC 33:III.2103.D.4 for rips, tears, visible gaps in the pole or float wiper, and/or missing sliding cover gaskets.

Which Months: All Year Statistical Basis: None specified
 Initiate repairs of any rips, tears, visible gaps in the pole or float wiper, and/or missing sliding cover gaskets by ordering appropriate parts within seven working days after defect is identified, to avoid noncompliance with LAC 33:III.2103.D.4. Complete repairs within three months of the ordering of the repair parts.

Equip external floating roof, with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b.

Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or internal floating on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall.

Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1.

Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.

Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.

EQT0014 16-74, Tank No. 17

Equip with a container furnished with a floating roof. Floating roof shall consist of a pontoon type, double deck type roof, or internal floating cover which rests or floats on the surface of the contents and is equipped with a closure seal or seals to close the space between the roof edge and container wall. All gauging and sampling devices will be gas-tight except when gauging or sampling is taking place. Determine compliance with LAC 33:III.2109.A using monthly visual inspections or one of the test methods in LAC 33:III.2109.C.1-6, where appropriate. Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2109.D.1 and 3.

SPECIFIC REQUIREMENTS

AI ID: 2366 - Placid Refining Co LLC - Port Allen Refinery
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EQT0015 17-74, Marine Loading

- VOC, Total: Permittee shall calculate an annual estimate of HAP emissions, excluding commodities exempted by 40 CFR 63.560(d), from marine tank vessel loading operations. Emission estimate and emission factor shall be based on test data or generally accepted industry practice. [40 CFR 63.560(a)(3), 40 CFR 63.565(l), 40 CFR 63.567(j)(4)]
- Equip with a vapor collection system designed to collect the organic compounds vapors displaced from ships and/or barges during loading.
- VOC, Total \geq 90 % reduction by weight by collecting and processing the vapors with a recovery and/or destruction system.
- Which Months: All Year Statistical Basis: None specified
- Barge loading of gasoline: Total Organic Compounds (TOC) \leq 70 mg/l of VOC loaded (0.6 lb/1000 gal).
- Which Months: All Year Statistical Basis: None specified
- Barge loading of crude oil or other VOCs: Total Organic Compounds (TOC) \leq 30 mg/l of VOC loaded (0.25 lb/1000 gal).
- Which Months: All Year Statistical Basis: None specified
- Barge loading of gasoline: Total Organic Compounds (TOC) \leq 30 mg/l of VOC loaded (0.25 lb/1000 gal).
- Which Months: All Year Statistical Basis: None specified
- Ship loading of crude oil or other VOCs: Total Organic Compounds (TOC) \leq 12 mg/l of VOC loaded (0.1 lb/1000 gal).
- Which Months: All Year Statistical Basis: None specified
- Ship loading of gasoline: Total Organic Compounds (TOC) \leq 30 mg/l of VOC loaded (0.25 lb/1000 gal).
- Which Months: All Year Statistical Basis: None specified
- Ship loading of crude oil or other VOCs: Total Organic Compounds (TOC) \leq 12 mg/l of VOC loaded (0.1 lb/1000 gal).
- Which Months: All Year Statistical Basis: None specified
- Load only into ships and/or barges equipped with vapor collection equipment that is compatible with the affected facility's vapor collection system.
- Properly connect the vapor collection and disposal system to the ships and/or barges before any loading is done.
- Determine compliance with LAC 33:III.2108.C.3 using the methods in LAC 33:III.2108.E.1-5, as appropriate.
- Submit test results: Due to the Office of Environmental Assessment within 45 days of any testing done in accordance with LAC 33:III.2108.E.
- Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2108.F.2.a-e, as applicable.
- Loading gasoline, crude oil or other VOCs into ships or barges is prohibited unless all loading and vapor lines, arms and hoses are equipped with fittings which make vapor-tight connections and provide tight shut-off when disconnected.
- Prevent spills or leaks during attachment or disconnection of filling lines, hoses or arms. Do not spill liquids or handle in any other manner that would result in evaporation to the atmosphere.
- Maintain all equipment associated with the loading of gasoline, crude oil or other VOC into ships or barges to be leak-free, gas-tight and in good working order.
- Gasoline Loading: Emissions from gasoline loading are controlled by the existing Carbon Adsorption System, Emission Point 8-08.
- Mid-Range Light VOL Loading: Emissions from mid-range light VOL loading are controlled by the existing Carbon Adsorption System, Emission Point 8-08.

EQT0016 18-74, Flare Stack

- Fuel gas: Limit Hydrogen sulfide \leq 162 ppm determined hourly on a 3-hour rolling average and H2S \leq 60 ppmv determined daily on a 365-day rolling average. Subpart Ja. [40 CFR 60.102a(g)(1)(ii)]
- Which Months: All Year Statistical Basis: Three-hour rolling average

SPECIFIC REQUIREMENTS

AID: 2366 - Placid Refining Co LLC - Port Allen Refinery
Activity Number: PER2008002
Permit Number: 3120-00012-V6
Air - Title V Regular Permit Major Mod

EQT0016 18-74, Flare Stack

- Flow rate <= 250 Mcf/day. Shall not allow flow during normal operations of more than 250,000 scf/day on a thirty day rolling average. Subpart Ja. [40 CFR 60.102a(g)(3)]
- Which Months: All Year Statistical Basis: Thirty-day rolling average Shall comply with all the applicable requirements of NSPS, 40 CFR 60, Subpart Ja. [40 CFR 60.102a(h and i), 40 CFR 60.107(d and e)] Shall develop and implement a written flare management plan within one year of the flare being an affected source subject to NSPS, 40 CFR 60, Subpart Ja. Subpart Ja. [40 CFR 60.103a(a)]
- Shall determine compliance with the NO_x emissions limits in NSPS, 40 CFR 60.102a(g). [40 CFR 60.104a(i)] Shall determine compliance with the H₂S emissions limits in NSPS, 40 CFR 60.102a(g). [40 CFR 60.104a(j)]
- Shall install, operate, calibrate, and maintain CPMs according to the manufacturer's specifications and requirements to measure and record the exhaust gas flow rate. Subpart Ja.
- Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H₂S in fuel gases before being burned in any fuel gas combustion device. Subpart Ja. [40 CFR 60.107a(a)(2)]
- Which Months: All Year Statistical Basis: None specified
- Opacity <= 20 percent, except for a combined total of six hours in any 10 consecutive day period, for burning in connection with pressure valve releases for control over process upsets.
- Which Months: All Year Statistical Basis: None specified
- Submit notification: Due to the Office of Environmental Compliance as soon as possible after the start of burning of pressure valve releases for control over process upsets. Notify by telephone at (225) 763-3908 during office hours; (225) 342-1234 after hours, weekends, and holidays; or by e-mail utilizing the Incident Report Form and procedures found at www.deq.state.la.us/ surveillance. Notification is required only if the upset cannot be controlled in six hours.
- Opacity <= 20 percent, except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
- Which Months: All Year Statistical Basis: Six-minute average
- Compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart Ja has been determined to be compliance in accordance with LAC 33:III.1.1503, LAC 33:III.1.1513
- Nonhalogenated hydrocarbon burning: Temperature >= 1300 F (704 degrees C) for 0.3 second or greater in a direct-flame afterburner or an equally effective device which achieves a removal efficiency of 95 percent or greater, as determined in accordance with LAC 33:III.2115.J.1, or if emissions are reduced to 50 ppm by volume, whichever is less stringent.
- Which Months: All Year Statistical Basis: None specified
- Determine compliance with LAC 33:III.2115.A through G by applying the test methods specified in LAC 33:III.2115.I.1 through 5, as appropriate.
- Install and maintain monitors to accurately measure and record operational parameters of all required control devices as necessary to ensure the proper functioning of those devices in accordance with design specifications. Monitor and record at a minimum the parameters listed in LAC 33:III.2115.J.2.a through e.
- Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain the records specified in LAC 33:III.2115.K.1 through K.3. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request.

SPECIFIC REQUIREMENTS

AI ID: 2366 - Placid Refining Co LLC - Port Allen Refinery
 Activity Number: PER20080002
 Permit Number: 3120-00012-V6
 Air - Title V Regular Permit Major Mod

EQT0016 18-74, Flare Stack

157 [LAC 33:III.501.C.6]

Hydrogen sulfide: Permittee shall show compliance by keeping records of the number of hours the flare has operated and the quantity of the fuel gas routed to the flare during relief system releases, startup, shutdown, process upsets and malfunction. Records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. The flare shall only combust fuel gas from process upsets, relief system releases, startup, shutdown and malfunction. It shall be a violation of this permit if any refinery fuel gas is routed to the flare on a routine bases.

EQT0017 19-74, Tank No. 9

158 [40 CFR 60.112(a)(1)]

159 [40 CFR 60.113(a)]

Equip with a floating roof, a vapor recovery system, or their equivalents. Subpart K. [40 CFR 60.112(a)(1)]
 Petroleum liquid storage data recordkeeping by electronic or hard copy continuously. Maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period, except as provided in 40 CFR 60.113(d). Subpart K. [40 CFR 60.113(a)]

160 [LAC 33:III.2103.B]

161 [LAC 33:III.2103.D.2.a]

162 [LAC 33:III.2103.D.2.b]

163 [LAC 33:III.2103.D.2.c]

Equip with a submerged fill pipe.
 Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric.

Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall.

Seal gap area <= 1 in²/ft of tank diameter (6.5 cm²/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.

Which Months: All Year Statistical Basis: None specified
 Seal gap area <= 10 in²/ft of tank diameter (65 cm²/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.

Which Months: All Year Statistical Basis: None specified
 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2.

Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts.

Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs.
 Which Months: All Year Statistical Basis: None specified

Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.
 Which Months: All Year Statistical Basis: None specified

Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs.
 Which Months: All Year Statistical Basis: None specified

Equip all covers, seals, lids, automatic bleeder vents and trim space vents with gaskets.

SPECIFIC REQUIREMENTS

AI ID: 2366 - Placid Refining Co LLC - Port Allen Refinery
Activity Number: PER20080002
Permit Number: 3120-00012-V6
Air - Title V Regular Permit Major Mod

EQT0017 19-74, Tank No. 9

171 [LAC 33:III.2103.D.3]

Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off or landed on the roof/lcg supports. Set rim vents to open when the roof is being floated off the roof supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening.

Control nonslotted guide poles and stilling wells using pole wipers and gasketing between the well and sliding cover. Control slotted guide poles using a float with wiper, pole wiper, and gasketing between the well and sliding cover.

Submit notification: Due to the Office of Environmental Assessment prior to installation of guide poles and stilling well systems. Submit a description of the method of control and supporting calculations based upon the Addendum to American Petroleum Institute Publication Number 2517 Evaporative Loss from External Floating Roof Tanks, May 1994, for approval.

Equipment/operational data monitored by visual inspection/determination semiannually. Inspect control systems required by LAC 33.III.2103.D.4 for rips, tears, visible gaps in the pole or float wiper, and/or missing sliding cover gaskets.

Which Months: All Year Statistical Basis: None specified
 Initiate repairs of any rips, tears, visible gaps in the pole or float wiper, and/or missing sliding cover gaskets by ordering appropriate parts within seven working days after defect is identified, to avoid noncompliance with LAC 33:III.2103.D.4. Complete repairs within three months of the ordering of the repair parts.

Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33.III.2103.C.1.a and b.
 Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1.
 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a.e.
 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.

EQT0020 23-74, Tank No. 58

180 [LAC 33:III.501.C.6]

Emissions controlled by the existing Carbon Adsorption System, Emission Point 8-08.

EQT0021 1-75, Tank No. 19

181 [40 CFR 60.112(a)(1)]

182 [40 CFR 60.113(a)]

Equip with a floating roof, a vapor recovery system, or their equivalents. Subpart K. [40 CFR 60.112(a)(1)]
 Petroleum liquid storage data recordkeeping by electronic or hard copy continuously. Maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period, except as provided in 40 CFR 60.113(d). Subpart K. [40 CFR 60.113(a)]
 Equip with a submerged fill pipe.

SPECIFIC REQUIREMENTS

AI ID: 2366 - Placid Refining Co LLC - Port Allen Refinery
Activity Number: PER20080002
Permit Number: 3120-00012-V6
Air - Title V Regular Permit Major Mod

EQT0021 1-75, Tank No. 19

184 [LAC 33:III.2103.C.2]

Provide each opening in the internal floating roof (except rim space vents and automatic bleeder vents) with a projection below the liquid surface. In addition, provide each opening (except for leg sleeves, bleeder vents, rim space vents, column wells, ladder wells, sample wells, and stub drains) with a cover equipped with a gasket. Equip automatic bleeder vents and equip ladder wells with a sliding cover.

Equip with an internal floating roof consisting of a pontoon type roof, double deck roof, or internal floating cover which will rest or float on the surface of the liquid contents and is equipped with a closure seal to close the space between the roof edge and tank wall. All tank gauging and sampling devices will be gas-tight except when gauging or sampling is taking place.

Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.

Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.

EQT0022 2-75, Tank No. 20

188 [40 CFR 60.112(a)(1)]

189 [40 CFR 60.113(a)]

190 [LAC 33:III.2103.B]

191 [LAC 33:III.2103.C]

Equip with a floating roof, a vapor recovery system, or their equivalents. Subpart K. [40 CFR 60.112(a)(1)] Petroleum liquid storage data recordkeeping by electronic or hard copy continuously. Maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period, except as provided in 40 CFR 60.113(d). Subpart K. [40 CFR 60.113(a)]

Equip with a submerged fill pipe.

Provide each opening in the internal floating roof (except rim space vents and automatic bleeder vents) with a projection below the liquid surface. In addition, provide each opening (except for leg sleeves, bleeder vents, rim space vents, column wells, ladder wells, sample wells, and stub drains) with a cover equipped with a gasket. Equip automatic bleeder vents and rim space vents with gaskets and equip ladder wells with a sliding cover.

Equip with an internal floating roof consisting of a pontoon type roof, double deck roof, or internal floating cover which will rest or float on the surface of the liquid contents and is equipped with a closure seal to close the space between the roof edge and tank wall. All tank gauging and sampling devices will be gas-tight except when gauging or sampling is taking place.

Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.

Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.

EQT0023 3-75, Tank No. 22

195 [40 CFR 60.112(a)(1)]

196 [40 CFR 60.113(a)]

197 [LAC 33:III.2103.B]

Equip with a floating roof, a vapor recovery system, or their equivalents. Subpart K. [40 CFR 60.112(a)(1)] Petroleum liquid storage data recordkeeping by electronic or hard copy continuously. Maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period, except as provided in 40 CFR 60.113(d). Subpart K. [40 CFR 60.113(a)]

Equip with a submerged fill pipe.

SPECIFIC REQUIREMENTS**AI ID: 2366 - Placid Refining Co LLC - Port Allen Refinery****Activity Number: PER20080002****Permit Number: 3120-00012-Y6****Air - Title V Regular Permit Major Mod****EQT0023 3-75, Tank No. 22**

- 198 [LAC 33:III.2103.C.2] Provide each opening in the internal floating roof (except rim space vents and automatic bleeder vents) with a projection below the liquid surface. In addition, provide each opening (except for leg sleeves, bleeder vents, rim space vents, column wells, ladder wells, sample wells, and stub drains) with a cover equipped with a gasket. Equip automatic bleeder vents and rim space vents with gaskets and equip ladder wells with a sliding cover.
- 199 [LAC 33:III.2103.C] Equip with an internal floating roof consisting of a pontoon type roof, double deck roof, or internal floating cover which will rest or float on the surface of the liquid contents and is equipped with a closure seal to close the space between the roof edge and tank wall. All tank gauging and sampling devices will be gas-tight except when gauging or sampling is taking place.
- 200 [LAC 33:III.2103.H.3] Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.
- 201 [LAC 33:III.2103.I] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.

EQT0025 1-77, Fluid Catalytic Cracker

- 202 [40 CFR 52.21] Shall limit emissions of Sulfur dioxide <= 23.2 g/sec [PSD-LA-11]. [40 CFR 52.21, LAC 33:III.509]
Which Months: All Year Statistical Basis: Hourly maximum
- 203 [40 CFR 52.21] Shall maintain Total suspended particulate <= 1.92 g/sec [PSD-LA-11]. [LAC 33:III.509, 40 CFR 52.21]
Which Months: All Year Statistical Basis: Hourly maximum
- 204 [40 CFR 60.102(a)(1)] Total suspended particulate <= 1 kg/Mg (2.0 lb/ton) of coke burn-off, except as specified in 40 CFR 60.102(b). Subpart J. [40 CFR 60.102(a)(1)]
Which Months: All Year Statistical Basis: None specified
Opacity <= 30 percent, except for one six-minute average opacity reading in any one hour period. Subpart J. [40 CFR 60.102(a)(2)]
Which Months: All Year Statistical Basis: Six-minute average
- 205 [40 CFR 60.102(a)(2)] Carbon monoxide <= 500 ppmv (dry basis). Subpart J. [40 CFR 60.103(a)]
Which Months: All Year Statistical Basis: None specified
- 206 [40 CFR 60.103(a)] Sulfur dioxide >= 90 % reduction; or Sulfur dioxide <= 50 ppmv, whichever is less stringent. A minimum of 22 valid days of data shall be obtained every 30 rolling successive calendar days to determine compliance. Subpart J. [40 CFR 60.104(b)(1), 40 CFR 60.104(d)]
Which Months: All Year Statistical Basis: Seven-day rolling average
- 207 [40 CFR 60.104(b)(1)] Oxygen monitored by continuous emission monitor (CEM) continuously at both the inlet and outlet of the sulfur dioxide control device (or the outlet only if specifically complying with the 50 ppmv standard). Subpart J. [40 CFR 60.105(a)(10)]
Which Months: All Year Statistical Basis: None specified
Use the procedures in 40 CFR 60.105(a)(12)(i) and (ii) to evaluate the continuous monitoring systems under 40 CFR 60.105(a)(8), (a)(9), and (a)(10). Subpart J. [40 CFR 60.105(a)(12)]
Opacity monitored by continuous opacity monitor (COM) continuously. Subpart J. [40 CFR 60.105(a)(1)]
- 208 [40 CFR 60.105(a)(10)] Which Months: All Year Statistical Basis: None specified
Carbon monoxide monitored by continuous emission monitor (CEM) continuously, except as provided in 40 CFR 60.105(a)(2)(ii). Subpart J. [40 CFR 60.105(a)(2)]
Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

All ID: 2366 - Placid Refining Co LLC - Port Allen Refinery
Activity Number: PER20080002
Permit Number: 3120-00012-V6
Air - Title V Regular Permit Major Mod

EQT0025 1-77, Fluid Catalytic Cracker

- Sulfur dioxide monitored by continuous emission monitor (CEM) continuously at both the inlet and outlet of the SO₂ control device. Subpart J.
- 212 [40 CFR 60.105(a)(8)]
 [40 CFR 60.105(a)(8)]
 Which Months: All Year Statistical Basis: None specified
 Rx & operating hours recordkeeping by electronic or hard copy daily. Record the average coke burn-off rate (Mg (tons) per hour) and hours of operation. Subpart J. [40 CFR 60.105(c)]
 Shall report all 1 hour periods that contain two or more 6-minute periods during which the average opacity, as measured by the COMS under 40 CFR 60.105(a)(1) exceed 30%. Subpart J. [40 CFR 60.105(e)(1)]
 Shall report all 1 hour periods during which the average concentration of CO exceeds 500 ppmv. Subpart J. [40 CFR 60.105(e)(2)]
 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]
 Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J.
 Submit Notification: Due with the notification of initial startup required by 40 CFR 60.7(a)(3). Notify DEQ of the specific provisions of 40 CFR 60.104(b) with which seeking to comply. Subpart J. [40 CFR 60.107(a)]
 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in 40 CFR 60.107(b)(1) through (b)(4), as applicable. Subpart J. [40 CFR 60.107(b)]
 Submit exceedance report: Due semiannually, except as specified in 40 CFR 60.107(d). Include the information specified in 40 CFR 60.107(c)(1) through (c)(6) and in accordance with 40 CFR 1079d. Subpart J. [40 CFR 60.107(c), 40 CFR 60.107(d), 40 CFR 60.107(e)]
 After conducting the initial performance test prescribed under 40 CFR 60.8, conduct a performance test for each successive 24-hour period thereafter, according to the appropriate procedures specified under 40 CFR 60.106. Subpart J. [40 CFR 60.108(d)]
 Opacity <= 30 percent, except for one six-minute average opacity reading in any one hour period.
 Which Months: All Year Statistical Basis: Six-minute average
 Shall conduct compliance test on the scrubber to determine the operating parameters like liquid to gas ratio, pH, scrubber effluent temperature, number of venturis (if any); or any other relevant parameters to show compliance with the permitted limits of this permit.
 Submit notification: Due at least 30 days prior to performance/emissions test on the scrubber to the Office of Environmental Assessment to provide the opportunity to conduct a pretest meeting and observe the emission testing.
 Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment and the Office of Environmental Services, Air Permits Division. The permittee shall have the relevant parameters based on the performance/compliance test incorporated into this permit as modification.

EQT0026 2-77&B, Vacuum Crude Tower Heater

- Sulfur dioxide <= 3.9 g/sec, using refinery fuel gas as fuel. [PSD-LA-11]. [LAC 33:III.509, 40 CFR 52.21]
 Which Months: All Year Statistical Basis: Hourly maximum
 Total suspended particulate <= 0.336 g/sec, using refinery fuel gas as fuel. [PSD-LA-11]. [40 CFR 52.21, LAC 33:III.509]
 Which Months: All Year Statistical Basis: Hourly maximum
 Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm). Shall report all 3-hour rolling average during which the average concentration exceeds 0.1 gr/dscf. Subpart J. [40 CFR 60.104(a)(1), 40 CFR 60.105(e)(3)(ii)]
 Which Months: All Year Statistical Basis: Three-hour rolling average

SPECIFIC REQUIREMENTS

AI ID: 2366 - Placid Refining Co LLC - Port Allen Refinery
Activity Number: PER20080002
Permit Number: 3120-00012-V6
Air - Title V Regular Permit Major Mod

EQT0026 2-77A&B, Vacuum Crude Tower Heater

- Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H₂S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]
- Which Months: All Year Statistical Basis: None specified Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)] Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J.
- Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
- Which Months: All Year Statistical Basis: Six-minute average Total suspended particulate <= 0.6 lb/MMBTU of heat input.
- Which Months: All Year Statistical Basis: None specified Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request.
- Nitrogen oxides <= 0.08 lb/MMBTU. Continuously during ozone season. [LAC 33:III.2201.D.1, LAC 33:III.2201.D.4]
- Which Months: May-Sep Statistical Basis: Thirty-day rolling average Nitrogen oxides monitored by technically sound method continuously.
- Which Months: May-Sep Statistical Basis: Thirty-day rolling average Operate the process heater/furnace within the fuel and oxygen limits established during the initial compliance run and in accordance with LAC 33:III.2201.G. [LAC 33:III.2201.G, LAC 33:III.2201.H.2.a.iii]
- Fuel monitored by totalizer continuously. Monitor fuel usage with a totalizing fuel meter.
- Which Months: May-Sep Statistical Basis: None specified Oxygen monitored by the regulation's specified method(s) continuously. Monitor oxygen concentration with an oxygen monitor.
- Which Months: May-Sep Statistical Basis: None specified Submit Notification: Due at least 30 days prior to any compliance testing conducted under LAC 33:III.2201.G and any CEMS or PEMS performance evaluation conducted under LAC 33:III.2201.H in order to give DEQ an opportunity to conduct a pretest meeting and observe the emission testing.
- Submit test results: Due within 60 days after completing the emission testing required in LAC 33:III.2201.1.1.
- Submit report: Due within 90 days of the end of each quarter for any noncompliance of the applicable emission limitations of LAC 33:III.2201.D or E. Include the information specified in LAC 33:III.2201.1.2.a through 1.2.d.
- Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records of the information specified in LAC 33:III.2201.1.3 and 1.4 as applicable.

EQT0027 4-77, Boiler No. 1/Gas Turbine-1

SPECIFIC REQUIREMENTS

AI ID: 2366 - Placid Refining Co LLC - Port Allen Refinery
Activity Number: PER20080002
Permit Number: 3120-00012-V6
Air - Title V Regular Permit Major Mod

EQT0027 4-77, Boiler No. 1/Gas Turbine-1

- Boiler: Shall maintain emissions of Sulfur dioxide <= 0.17 g/sec, using combination of refinery fuel gas and natural gas as fuel. [PSD-LA-11].
 [40 CFR 52.21, LAC 33:III.509]
- Boiler: Shall maintain emissions of Total suspended particulate <= 0.064 g/sec using combination of refinery fuel gas and natural gas as fuel.
 Which Months: All Year Statistical Basis: Hourly maximum
 [PSD-LA-11]. [40 CFR 52.21, LAC 33:III.509]
- Boiler: Shall maintain emissions of Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm). Shall report all rolling 3-hour periods during which the average concentration exceeds 0.10 gr/dscf Subpart J. [40 CFR 60.104(a)(1), 40 CFR 60.105(e)(3)(ii)]
- Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm). Shall report all rolling 3-hour periods during which the average concentration exceeds 0.10 gr/dscf Subpart J. [40 CFR 60.104(a)(1), 40 CFR 60.105(e)(3)(ii)]
- Which Months: All Year Statistical Basis: Three-hour rolling average
 Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H₂S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]
- Which Months: All Year Statistical Basis: None specified
 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]
 Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J.
- Nitrogen oxides <= 0.015 % by volume at 15% oxygen and on a dry basis in gases discharged to the atmosphere. Use analytical methods and procedures that are accurate to within 5 percent and are approved by DEQ to determine the nitrogen content of the fuel being fired per 40 CFR 60.335(a). Subpart GG. [40 CFR 60.332(a)(2)]
- Which Months: All Year Statistical Basis: None specified
 When firing an emergency fuel, the gas turbine is exempt from the requirements of 40 CFR 60.332(a)(2). Subpart GG. [40 CFR 60.332(k)]
- Fuel sulfur content <= 0.8 % by weight (8000 ppmw) for any fuel burned. Subpart GG. [40 CFR 60.333(b)]
- Which Months: All Year Statistical Basis: None specified
 Fuel monitored by CMS continuously, except as specified in 40 CFR 60.334(b). Monitor fuel consumption. Subpart GG. [40 CFR 60.334(a)]
- Which Months: All Year Statistical Basis: None specified
 Fuel recordkeeping by CMS continuously. Record fuel consumption. Subpart GG. [40 CFR 60.334(a)]
- Monitor the steam or water to fuel ratio or other parameters that are continuously monitored as described in 40 CFR 60.334(a), (d) or (f) during the performance test required under 40 CFR 60.8, to re-establish acceptable values and ranges. Develop and keep on-site a parameter monitoring plan which explains the procedures used to document proper operation of the NOx emission controls. Include the parameter(s) monitored and the acceptable range(s) of the parameter(s) as well as the basis for designating the parameter(s) and acceptable range(s). Include any supplemental data such as engineering analyses, design specifications, manufacturer's recommendations and other relevant information in the monitoring plan. Subpart GG. [40 CFR 60.334(g)]
- Fuel sulfur content monitored by the regulation's specified method(s) at the regulation's specified frequency, except as specified in 40 CFR 60.334(h)(3). Subpart GG. [40 CFR 60.334(h)(1)]
- Which Months: All Year Statistical Basis: None specified
 Submit quarterly excess emissions report: Due by the 30th day following the end of each calendar quarter. Report periods during which an exemption provided in 40 CFR 60.332(f) is in effect. Report the date and time the air pollution control system was deactivated, and the date and time the air pollution control system was reactivated. Subpart GG. [40 CFR 60.334(f)(3)]

SPECIFIC REQUIREMENTS

AI ID: 2366 - Placid Refining Co LLC - Port Allen Refinery
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 Air - Title V Regular Permit Major Mod

EQT0027 4-77, Boiler No. 1/Gas Turbine-1

- Include each period during which an exemption provided in 40 CFR 60.332(k) is in effect in the report required in 40 CFR 60.7(c). For each period, report the type, reasons, and duration of the firing of the emergency fuel. Subpart GG. [40 CFR 60.334(j)(4)]
- Submit excess emissions reports and monitor downtime in accordance with 40 CFR 60.7(c). Report excess emissions for all periods of unit operation, including startup, shutdown and malfunction. Subpart GG. [40 CFR 60.334(j)]
- Determine compliance using the test methods and procedures specified in 40 CFR 60.335(a) through (c). Subpart GG.
- Compliance with the requirements of NSPS, 40 CFR 60.104 is considered compliance with the requirements of NSPS, 40 CFR 60.40b(c).
- Subpart Db. [40 CFR 60.40b(c)]
- Boiler: Nitrogen oxides <= 0.20 lb/MMBTU (86 ng/J) heat input (expressed as NO₂). The nitrogen oxide standards apply at all times, including periods of startup, shutdown, or malfunction. Subpart Db.
- Which Months: All Year Statistical Basis: Thirty-day rolling average
- Fuel rate recordkeeping by electronic or hard copy daily. Record the amounts of each fuel combusted during each day and calculate the annual capacity factor individually for coal, distillate oil, residual oil, natural gas, wood, and municipal-type solid waste for the reporting period. Determine the annual capacity factor on a 12-month rolling average basis with a new annual capacity factor calculated at the end of each calendar month. Subpart Db. [40 CFR 60.49b(d)]
- Submit excess emissions report: Due by the 30th day following the end of each six-month period. Report any excess emissions which occurred during the reporting period. Subpart Db. [40 CFR 60.49b(h)]
- Maintain all records required under 40 CFR 60.49b for a period of 2 years following the date of such record. Subpart Db. [40 CFR 60.49b(o)]
- Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
- Which Months: All Year Statistical Basis: Six-minute average
- Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
- Which Months: All Year Statistical Basis: Six-minute average
- Compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart J has been determined to be compliance in accordance with LAC 33:III Chapter 1.S. [LAC 33:III.1503, LAC 33:III.1513]
- Boiler: Nitrogen oxides <= 0.10 lb/MMBTU. Continuously during ozone season in accordance with Table D-1A. [LAC 33:III.2201.D.4, LAC 33:III.2201.D.1]
- Which Months: May-Sep Statistical Basis: Thirty-day rolling average
- Turbine: Nitrogen oxides <= 0.16 lb/MMBTU. Continuously during ozone season in accordance with Table D-1A. [LAC 33:III.2201.D.4, LAC 33:III.2201.D.1]
- Which Months: May-Sep Statistical Basis: Thirty-day rolling average
- Nitrogen oxides monitored by technically sound method continuously.
- Which Months: May-Sep Statistical Basis: Thirty-day rolling average
- Operate the process heater/furnace within the fuel and oxygen limits established during the initial compliance run and in accordance with LAC 33:III.2201.G. [LAC 33:III.2201.G, LAC 33:III.2201.H.1.iii]

SPECIFIC REQUIREMENTS

AI ID: 2366 - Placid Refining Co LLC - Port Allen Refinery
 Activity Number: PER20080002
 Permit Number: 3120-00012-V6
 Air - Title V Regular Permit Major Mod

EQT0027 4-77, Boiler No. 1/Gas Turbine-1

- 273 [LAC 33:III.2201.H.2.a.i]
 Fuel monitored by totalizer continuously. Monitor fuel usage with a totalizing fuel meter.
 Which Months: May-Sep Statistical Basis: None specified
- 274 [LAC 33:III.2201.H.2.a.ii]
 Oxygen monitored by the regulation's specified method(s) continuously. Monitor oxygen concentration with an oxygen monitor.
 Which Months: May-Sep Statistical Basis: None specified

Operate the stationary gas turbine at the required steam-to-fuel or water-to-fuel ratio as determined during the initial compliance test.

Submit Notification: Due at least 30 days prior to any compliance testing conducted under LAC 33:III.2201.G and any CEMS or PEMS performance evaluation conducted under LAC 33:III.2201.H. in order to give DEQ an opportunity to conduct a pretest meeting and observe the emission testing.

Submit test results: Due within 60 days after completing the emission testing required in LAC 33:III.2201.1.1.

Submit report: Due within 90 days of the end of each quarter for any noncompliance of the applicable emission limitations of LAC 33:III.2201.D or E. Include the information specified in LAC 33:III.2201.1.2.a through 1.2.d.

Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records of the information specified in LAC 33:III.2201.1.3 and 1.4 as applicable.

EQT0028 5-77, Boiler No. 2/Gas Turbine-2

- Boiler: Shall have no visible emissions. [PSD-LA-522]. [40 CFR 52.21], LAC 33:III.509]
- Boiler: Shall limit emissions of Nitrogen oxides <= 27.2 lb/hr and <= 119.2 tons per year, using combination of refinery fuel gas and nitrogen gas as fuel. [PSD-LA-522]. [40 CFR 52.21], LAC 33:III.509]
- Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm). Subpart J. [40 CFR 60.104(a)(1)]
- Which Months: All Year Statistical Basis: Three-hour rolling average
- Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H₂S in fuel gases before being burned in any fuel gas combustion device. Subpart J [40 CFR 60.105(a)(4)]
- Which Months: All Year Statistical Basis: None specified
- Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]
- Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J.
- Nitrogen oxides <= 0.015 % by volume at 15% oxygen and on a dry basis in gases discharged to the atmosphere. Use analytical methods and procedures that are accurate to within 5 percent and are approved by DEQ to determine the nitrogen content of the fuel being fired per 40 CFR 60.335(a). Subpart GG. [40 CFR 60.332(a)(2)]
- Which Months: All Year Statistical Basis: None specified
- When firing an emergency fuel, the gas turbine is exempt from the requirements of 40 CFR 60.332(a)(2). Subpart GG. [40 CFR 60.332(k)]
- Fuel sulfur content <= 0.8 % by weight (8000 ppmw) for any fuel burned. Subpart GG. [40 CFR 60.333(b)]
- Which Months: All Year Statistical Basis: None specified
- Fuel monitored by CMS continuously, except as specified in 40 CFR 60.334(b). Monitor fuel consumption. Subpart GG. [40 CFR 60.334(a)]
- Which Months: All Year Statistical Basis: None specified
- Fuel recordkeeping by CMS continuously. Record fuel consumption. Subpart GG. [40 CFR 60.334(a)]

SPECIFIC REQUIREMENTS

AI ID: 2366 - Placid Refining Co LLC - Port Allen Refinery
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EQT0028 5-77, Boiler No. 2/Gas Turbine-2

- 291 [40 CFR 60.334(g)] Monitor the steam or water to fuel ratio or other parameters that are continuously monitored as described in 40 CFR 60.334(a), (d) or (f) during the performance test required under 40 CFR 60.8, to re-establish acceptable values and ranges. Develop and keep on-site a parameter monitoring plan which explains the procedures used to document proper operation of the NOx emission controls. Include the parameter(s) monitored and the acceptable range(s) of the parameter(s) as well as the basis for designating the parameter(s) and acceptable range(s). Include any supplemental data such as engineering analyses, design specifications, manufacturer's recommendations and other relevant information in the monitoring plan. Subpart GG. [40 CFR 60.334(g)]
- Fuel sulfur content monitored by the regulation's specified method(s) at the regulation's specified frequency, except as specified in 40 CFR 60.334(h)(3). Subpart GG. [40 CFR 60.334(h)(1)]
- Which Months: All Year Statistical Basis: None specified
- Submit quarterly excess emissions report: Due by the 30th day following the end of each calendar quarter. Report periods during which an exemption provided in 40 CFR 60.332(f) is in effect. Report the date and time the air pollution control system was deactivated, and the date and time the air pollution control system was reactivated. Subpart GG. [40 CFR 60.334(j)(3)]
- Include each period during which an exemption provided in 40 CFR 60.332(k) is in effect in the report required in 40 CFR 60.7(c). For each period, report the type, reasons, and duration of the firing of the emergency fuel. Subpart GG. [40 CFR 60.334(j)(4)]
- Submit excess emissions reports and monitor downtime in accordance with 40 CFR 60.7(c). Report excess emissions for all periods of unit operation, including startup, shutdown and malfunction. Subpart GG. [40 CFR 60.334(j)]
- Determine compliance using the test methods and procedures specified in 40 CFR 60.335(a) through (c). Subpart GG.
- Compliance with the requirements of NSPS, 40 CFR 60.104 is considered compliance with the requirements of NSPS, 40 CFR 60.40b(c).
- Subpart Db. [40 CFR 60.40b(c)]
- Boiler: Nitrogen oxides <= 0.20 lb/MMBTU (86 ng/J) heat input (expressed as NO₂). The nitrogen oxide standards apply at all times, including periods of startup, shutdown, or malfunction. Subpart Db.
- Which Months: All Year Statistical Basis: Thirty-day rolling average
- Fuel rate recordkeeping by electronic or hard copy daily. Record the amounts of each fuel combusted during each day and calculate the annual capacity factor individually for coal, distillate oil, residual oil, natural gas, wood, and municipal-type solid waste for the reporting period. Determine the annual capacity factor on a 12-month rolling average basis with a new annual capacity factor calculated at the end of each calendar month. Subpart Db. [40 CFR 60.49b(d)]
- Submit excess emissions report: Due by the 30th day following the end of each six-month period. Report any excess emissions which occurred during the reporting period. Subpart Db. [40 CFR 60.49b(h)]
- Maintain all records required under 40 CFR 60.49b for a period of 2 years following the date of such record. Subpart Db. [40 CFR 60.49b(o)]
- Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
- Which Months: All Year Statistical Basis: Six-minute average
- Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
- Which Months: All Year Statistical Basis: Six-minute average

SPECIFIC REQUIREMENTS

AI ID: 2366 - Placid Refining Co LLC - Port Allen Refinery
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EQT0028 5-77, Boiler No. 2/Gas Turbine-2

- 304 [LAC 33:III.1503] Compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart J has been determined to be compliance in accordance with LAC 33:III.Chapter 15. [LAC 33:III.1503, LAC 33:III.1513]
 Boiler: Nitrogen oxides <= 0.10 lb/MMBTU. Continuously during ozone season in accordance with Table D-1A. [LAC 33:III.2201.D.4, LAC 33:III.2201.D.1]
- 305 [LAC 33:III.2201.D.1] Which Months: May-Sep Statistical Basis: Thirty-day rolling average
 Turbine: Nitrogen oxides <= 0.16 lb/MMBTU. Continuously during ozone season in accordance with Table D-1A. [LAC 33:III.2201.D.4, LAC 33:III.2201.D.1]
- 306 [LAC 33:III.2201.D.4] Which Months: May-Sep Statistical Basis: Thirty-day rolling average
 Nitrogen oxides monitored by technically sound method continuously.
 Which Months: May-Sep Statistical Basis: Thirty-day rolling average
 Operate the process heater/furnace within the fuel and oxygen limits established during the initial compliance run and in accordance with LAC 33:III.2201.G. [LAC 33:III.2201.G, LAC 33:III.2201.H.2.a.iii]
 Fuel monitored by totalizer continuously. Monitor fuel usage with a totalizing fuel meter.
- 307 [LAC 33:III.2201.D] Which Months: May-Sep Statistical Basis: None specified
 Oxygen monitored by the regulation's specified method(s) continuously. Monitor oxygen concentration with an oxygen monitor.
- 308 [LAC 33:III.2201.G] Which Months: May-Sep Statistical Basis: None specified
 Operate the stationary gas turbine at the required steam-to-fuel or water-to-fuel ratio as determined during the initial compliance test.
- 309 [LAC 33:III.2201.H.2.a.ii] Submit Notification: Due at least 30 days prior to any compliance testing conducted under LAC 33:III.2201.G and any CEMS or PEMS performance evaluation conducted under LAC 33:III.2201.H in order to conduct a pretest meeting and observe the emission testing.
- 310 [LAC 33:III.2201.H.2.a.ii] Submit test results: Due within 60 days after completing the emission testing required in LAC 33:III.2201.H.1.
- 311 [LAC 33:III.2201.H.3.a.i] Submit report: Due within 90 days of the end of each quarter for any noncompliance of the applicable emission limitations of LAC 33:III.2201.D or E. Include the information specified in LAC 33:III.2201.H.2.a through H.2.d.
- 312 [LAC 33:III.2201.I.1] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records of the information specified in LAC 33:III.2201.H.3 and H.4 as applicable.

EQT0029 6-77, Sulfur Recovery Unit Incinerator

- 316 [40 CFR 52.21] Shall limit the emissions of Sulfur dioxide <= 3.02 g/sec using refinery fuel gas as fuel. [PSD-LA-11]. [40 CFR 52.21, LAC 33:III.509]
 Which Months: All Year Statistical Basis: Hourly maximum
 Shall limit the emissions of Total suspended particulate <= 4 g/sec X 10(-5), using refinery fuel gas as fuel. [PSD-LA-11]. [40 CFR 52.21, LAC 33:III.509]
- 317 [40 CFR 52.21] Which Months: All Year Statistical Basis: Hourly maximum
 Sulfur dioxide <= 250 ppmv @ 0% excess air (dry basis). Subpart J. [40 CFR 60.104(a)(2)(i)]
 Which Months: All Year Statistical Basis: 12-hour rolling average
 Sulfur dioxide monitored by continuous emission monitor (CEM) continuously. Include an oxygen monitor for correcting the data for excess air.
 Subpart J. [40 CFR 60.105(a)(5)]
 Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 2366 - Placid Refining Co LLC - Port Allen Refinery
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EQT0029 6-77, Sulfur Recovery Unit Incinerator

- 320 [40 CFR 60.106(a)]
 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]
 Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J.
 Submit exceedance report: Due semiannually, except as specified in 40 CFR 60.107(d). Include the information specified in 40 CFR 60.107(c)(1) through (c)(6) and in accordance with 40 CFR 60.107(d). Subpart J. [40 CFR 60.107(c), 40 CFR 60.107(d), 40 CFR 60.107(e)]
 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
 Which Months: All Year Statistical Basis: Six-minute average
 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

- 324 [LAC 33:III.1101.C]
 Which Months: All Year Statistical Basis: Six-minute average
 Compliance with all the applicable requirements of NSPS, 40 CFR 60.104 has been determined to be compliance in accordance with LAC 33:III.1511. [LAC 33:III.1511.A, LAC 33:III.1513.A]

EQT0030 11-77, Tank No. 18

- 326 [LAC 33:III.501.C.6]
 Emissions controlled by the existing Enclosed Vapor Combustor, Emission Point 1-91.

EQT0031 12-77, Tank No. 23

- 327 [40 CFR 60.112(a)(1)]
 Equip with a floating roof, a vapor recovery system, or their equivalents. Subpart K. [40 CFR 60.112(a)(1)]
 Petroleum liquid storage data recordkeeping by electronic or hard copy continuously. Maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period, except as provided in 40 CFR 60.113(d). Subpart K. [40 CFR 60.113(a)]
 Equip with a submerged fill pipe.
 Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric.
 Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall.
 Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm^2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
 Which Months: All Year Statistical Basis: None specified
 Seal gap area <= 10 in^2/ft of tank diameter (65 cm^2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
 Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 2366 - Placid Refining Co LLC - Port Allen Refinery
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EQT0031 12-77, Tank No. 23

- 334 [LAC 33:III.2103.D2.e] Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2.
- Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts.
- Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs.
 Which Months: All Year Statistical Basis: None specified
- Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.
 Which Months: All Year Statistical Basis: None specified
- Secondary seals: Seal gap area & width monitored by measurement annually at any tank level], provided the roof is off its legs.
 Which Months: All Year Statistical Basis: None specified
- Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets.
- Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening.
- Control nonslotted guide poles and stilling wells using pole wipers and gasketing between the well and sliding cover. Control slotted guide poles using a float with wiper, pole wiper, and gasketing between the well and sliding cover.
- Submit notification: Due to the Office of Environmental Assessment prior to installation of guide poles and stilling well systems. Submit a description of the method of control and supporting calculations based upon the Addendum to American Petroleum Institute Publication Number 2517 Evaporative Loss from External Floating Roof Tanks, May 1994, for approval.
- Equipment/operational data monitored by visual inspection/determination semiannually. Inspect control systems required by LAC 33:III.2103.D.4 for rips, tears, visible gaps in the pole or float wiper, and/or missing sliding cover gaskets.
 Which Months: All Year Statistical Basis: None specified
- Initiate repairs of any rips, tears, visible gaps in the pole or float wiper, and/or missing sliding cover gaskets by ordering appropriate parts within seven working days after defect is identified, to avoid noncompliance with LAC 33:III.2103.D.4. Complete repairs within three months of the ordering of the repair parts.
- Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b.
- Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1.
- Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.
- Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.

EQT0032 13-77, Tank No. 24

SPECIFIC REQUIREMENTS

AI ID: 2366 - Placid Refining Co LLC - Port Allen Refinery
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EQT0032 13-77, Tank No. 24

- 349 [40 CFR 60.112(a)(1)] Equip with a floating roof, a vapor recovery system, or their equivalents. Subpart K. [40 CFR 60.112(a)(1)]
 Petroleum liquid storage data recordkeeping by electronic or hard copy continuously. Maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period, except as provided in 40 CFR 60.113(d). Subpart K. [40 CFR 60.113(a)]
- 351 [LAC 33.III.2103.B] Equip with a submerged fill pipe.
 352 [LAC 33.III.2103.D.2.a] Seal closure devices required in LAC 33.III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric.
 353 [LAC 33.III.2103.D.2.b] Seal closure devices required in LAC 33.III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall.
 354 [LAC 33.III.2103.D.2.c] Seal gap area <= 1 in²/ft of tank diameter (6.5 cm²/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
 355 [LAC 33.III.2103.D.2.d] Which Months: All Year Statistical Basis: None specified
 Seal gap area <= 10 in²/ft of tank diameter (65 cm²/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
 Which Months: All Year Statistical Basis: None specified
 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33.III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33.III.2103.D.2.
- 356 [LAC 33.III.2103.D.2.e] Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33.III.2103. Complete repairs within three months of the ordering of the repair parts.
 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs.
 Which Months: All Year Statistical Basis: None specified
 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.
 Which Months: All Year Statistical Basis: None specified
 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs.
 Which Months: All Year Statistical Basis: None specified
 Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets.
 357 [LAC 33.III.2103.D.2.e] Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off or landed on the roof leg supports. Set trim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening.
 Control nonslotted guide poles and stilling wells using pole wipers and gasketing between the well and sliding cover. Control slotted guide poles using a float with wiper, pole wiper, and gasketing between the well and sliding cover.
 358 [LAC 33.III.2103.D.2.e] Submit notification: Due to the Office of Environmental Assessment prior to installation of guide poles and stilling well systems. Submit a description of the method of control and supporting calculations based upon the Addendum to American Petroleum Institute Publication Number 2517 Evaporative Loss from External Floating Roof Tanks, May 1994, for approval.
- 359 [LAC 33.III.2103.D.2.e]
- 360 [LAC 33.III.2103.D.2.e]
- 361 [LAC 33.III.2103.D.3]
- 362 [LAC 33.III.2103.D.3]
- 363 [LAC 33.III.2103.D.4.a]
- 364 [LAC 33.III.2103.D.4.a]

SPECIFIC REQUIREMENTS

AI ID: 2366 - Placid Refining Co LLC - Port Allen Refinery
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Air - Title V Regular Permit Major Mod

EQT0032 13-77, Tank No. 24

365 [LAC 33:III.2103.D.4.d]

Equipment/operational data monitored by visual inspection/determination semiannually. Inspect control systems required by LAC 33:III.2103.D.4 for rips, tears, visible gaps in the pole or float wiper, and/or missing sliding cover gaskets.

Which Months: All Year Statistical Basis: None specified
 Initiate repairs of any rips, tears, visible gaps in the pole or float wiper, and/or missing sliding cover gaskets by ordering appropriate parts within seven working days after defect is identified, to avoid noncompliance with LAC 33:III.2103.D.4. Complete repairs within three months of the ordering of the repair parts.
 Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b.

368 [LAC 33:III.2103.H.1] Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1.

369 [LAC 33:III.2103.H.3] Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.

Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.

EQT0033 1-82, Tank No. 940

371 [LAC 33:III.2103.I]

VOL storage data recordkeeping by electronic or hard copy at the approved frequency. Keep records of the type(s) of VOC stored and the length of time stored.
 Equip with a vapor loss control device. The oil-water separator is has pontoon type floating roof and closure seals in accordance with LAC 33:III.2109.A.2. All gauging and sampling devices will be gas-tight except when gauging or sampling is taking place.

Determine compliance with LAC 33:III.2109.A using monthly visual inspections or one of the test methods in LAC 33:III.2109.C.1-6, where appropriate.
 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2109.D.1 and 3.

EQT0034 2-82, Hot Oil Heater

375 [40 CFR 60.104(a)(1)]

Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm). Shall report all exceedances as per 40 CFR 60.105(e)(3)(ii). Subpart J. [40 CFR 60.104(a)(1), 40 CFR 60.105(e)(3)(ii)]

Which Months: All Year Statistical Basis: Three-hour rolling average
 Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H₂S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]

Which Months: All Year Statistical Basis: None specified
 Permittee shall maintain and operate H₂S Continuous Emission Monitoring Systems (CEMS) in accordance with the quantity assurance and quality control measures as per NSPS, 40 CFR 60, Appendix F. Subpart J. [40 CFR 60.105(a)(4)]
 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]
 Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J.

SPECIFIC REQUIREMENTS

AI ID: 2366 - Placid Refining Co LLC - Port Allen Refinery
Activity Number: PER20080002
Permit Number: 3120-00012-V6
Air - Title V Regular Permit Major Mod

EQT0034 2-82, Hot Oil Heater

380 [LAC 33:III.1101.B]

Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: Six-minute average

Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: Six-minute average

Total suspended particulate <= 0.6 lb/MMBTU of heat input.

Which Months: All Year Statistical Basis: None specified

Compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart J has been determined to be compliance in accordance with LAC 33:III.Chapter 15. [LAC 33:III.1503, LAC 33:III.1513]

Nitrogen oxides <= 0.08 lb/MMBTU.

Which Months: May-Sep Statistical Basis: Thirty-day rolling average

Nitrogen oxides monitored by technically sound method continuously.

Which Months: May-Sep Statistical Basis: Thirty-day rolling average

Fuel monitored by totalizer continuously. Monitor fuel usage with a totalizing fuel meter.

Which Months: May-Sep Statistical Basis: None specified

Oxygen monitored by the regulation's specified method(s) continuously. Monitor oxygen concentration with an oxygen monitor.

Which Months: May-Sep Statistical Basis: None specified

Operate the process heater/furnace within the fuel and oxygen limits established during the initial compliance run.

Fuel recordkeeping by electronic or hard copy daily. Record fuel gas composition.

Submit Notification: Due at least 30 days prior to any compliance testing conducted under LAC 33:III.2201.G and any CEMS or PEMS performance evaluation conducted under LAC 33:III.2201.H in order to give DEQ an opportunity to conduct a pretest meeting and observe the emission testing.

Submit test results: Due within 60 days after completing the emission testing required in LAC 33:III.2201.I.1.

Submit report: Due within 90 days of the end of each quarter for any noncompliance of the applicable emission limitations of LAC 33:III.2201.D or E. Include the information specified in LAC 33:III.2201.I.2 through I.2.d.

Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records of the information specified in LAC 33:III.2201.I.3 and I.4 as applicable.

EQT0035 3-82, Tank No. 25

391 [LAC 33:III.2201.I.1]

Seal gap area <= 10.0 in²/ft (212 sq cm/meter) of tank diameter for the accumulated area of gaps between the tank wall and the mechanical shoe seal or liquid-mounted primary seal. Subpart Ka. [40 CFR 60.112(a)(1)(i)(A)]

Which Months: All Year Statistical Basis: None specified

Seal gap width <= 1.5 in (3.81 cm) for the width of any portion of any gap between the tank wall and the mechanical shoe seal or liquid-mounted primary seal. Subpart Ka. [40 CFR 60.112(a)(1)(i)(A)]

Which Months: All Year Statistical Basis: None specified

392 [LAC 33:III.2201.I.2]

Seal gap area <= 10.0 in²/ft (212 sq cm/meter) of tank diameter for the accumulated area of gaps between the tank wall and the mechanical shoe seal or liquid-mounted primary seal. Subpart Ka. [40 CFR 60.112(a)(1)(i)(A)]

Which Months: All Year Statistical Basis: None specified

Seal gap width <= 1.5 in (3.81 cm) for the width of any portion of any gap between the tank wall and the mechanical shoe seal or liquid-mounted primary seal. Subpart Ka. [40 CFR 60.112(a)(1)(i)(A)]

393 [LAC 33:III.2201.I]

Seal gap area <= 10.0 in²/ft (212 sq cm/meter) of tank diameter for the accumulated area of gaps between the tank wall and the mechanical shoe seal or liquid-mounted primary seal. Subpart Ka. [40 CFR 60.112(a)(1)(i)(A)]

Which Months: All Year Statistical Basis: None specified

Seal gap width <= 1.5 in (3.81 cm) for the width of any portion of any gap between the tank wall and the mechanical shoe seal or liquid-mounted primary seal. Subpart Ka. [40 CFR 60.112(a)(1)(i)(A)]

Which Months: All Year Statistical Basis: None specified

Seal gap area <= 10.0 in²/ft (212 sq cm/meter) of tank diameter for the accumulated area of gaps between the tank wall and the mechanical shoe seal or liquid-mounted primary seal. Subpart Ka. [40 CFR 60.112(a)(1)(i)(A)]

Which Months: All Year Statistical Basis: None specified

Seal gap width <= 1.5 in (3.81 cm) for the width of any portion of any gap between the tank wall and the mechanical shoe seal or liquid-mounted primary seal. Subpart Ka. [40 CFR 60.112(a)(1)(i)(A)]

Which Months: All Year Statistical Basis: None specified

Seal gap area <= 10.0 in²/ft (212 sq cm/meter) of tank diameter for the accumulated area of gaps between the tank wall and the mechanical shoe seal or liquid-mounted primary seal. Subpart Ka. [40 CFR 60.112(a)(1)(i)(A)]

Which Months: All Year Statistical Basis: None specified

Seal gap width <= 1.5 in (3.81 cm) for the width of any portion of any gap between the tank wall and the mechanical shoe seal or liquid-mounted primary seal. Subpart Ka. [40 CFR 60.112(a)(1)(i)(A)]

Which Months: All Year Statistical Basis: None specified

Seal gap area <= 10.0 in²/ft (212 sq cm/meter) of tank diameter for the accumulated area of gaps between the tank wall and the mechanical shoe seal or liquid-mounted primary seal. Subpart Ka. [40 CFR 60.112(a)(1)(i)(A)]

Which Months: All Year Statistical Basis: None specified

Seal gap width <= 1.5 in (3.81 cm) for the width of any portion of any gap between the tank wall and the mechanical shoe seal or liquid-mounted primary seal. Subpart Ka. [40 CFR 60.112(a)(1)(i)(A)]

Which Months: All Year Statistical Basis: None specified

Seal gap area <= 10.0 in²/ft (212 sq cm/meter) of tank diameter for the accumulated area of gaps between the tank wall and the mechanical shoe seal or liquid-mounted primary seal. Subpart Ka. [40 CFR 60.112(a)(1)(i)(A)]

Which Months: All Year Statistical Basis: None specified

Seal gap width <= 1.5 in (3.81 cm) for the width of any portion of any gap between the tank wall and the mechanical shoe seal or liquid-mounted primary seal. Subpart Ka. [40 CFR 60.112(a)(1)(i)(A)]

Which Months: All Year Statistical Basis: None specified

Seal gap area <= 10.0 in²/ft (212 sq cm/meter) of tank diameter for the accumulated area of gaps between the tank wall and the mechanical shoe seal or liquid-mounted primary seal. Subpart Ka. [40 CFR 60.112(a)(1)(i)(A)]

Which Months: All Year Statistical Basis: None specified

Seal gap width <= 1.5 in (3.81 cm) for the width of any portion of any gap between the tank wall and the mechanical shoe seal or liquid-mounted primary seal. Subpart Ka. [40 CFR 60.112(a)(1)(i)(A)]

Which Months: All Year Statistical Basis: None specified

Seal gap area <= 10.0 in²/ft (212 sq cm/meter) of tank diameter for the accumulated area of gaps between the tank wall and the mechanical shoe seal or liquid-mounted primary seal. Subpart Ka. [40 CFR 60.112(a)(1)(i)(A)]

Which Months: All Year Statistical Basis: None specified

Seal gap width <= 1.5 in (3.81 cm) for the width of any portion of any gap between the tank wall and the mechanical shoe seal or liquid-mounted primary seal. Subpart Ka. [40 CFR 60.112(a)(1)(i)(A)]

Which Months: All Year Statistical Basis: None specified

Seal gap area <= 10.0 in²/ft (212 sq cm/meter) of tank diameter for the accumulated area of gaps between the tank wall and the mechanical shoe seal or liquid-mounted primary seal. Subpart Ka. [40 CFR 60.112(a)(1)(i)(A)]

Which Months: All Year Statistical Basis: None specified

Seal gap width <= 1.5 in (3.81 cm) for the width of any portion of any gap between the tank wall and the mechanical shoe seal or liquid-mounted primary seal. Subpart Ka. [40 CFR 60.112(a)(1)(i)(A)]

Which Months: All Year Statistical Basis: None specified

Seal gap area <= 10.0 in²/ft (212 sq cm/meter) of tank diameter for the accumulated area of gaps between the tank wall and the mechanical shoe seal or liquid-mounted primary seal. Subpart Ka. [40 CFR 60.112(a)(1)(i)(A)]

Which Months: All Year Statistical Basis: None specified

Seal gap width <= 1.5 in (3.81 cm) for the width of any portion of any gap between the tank wall and the mechanical shoe seal or liquid-mounted primary seal. Subpart Ka. [40 CFR 60.112(a)(1)(i)(A)]

Which Months: All Year Statistical Basis: None specified

Seal gap area <= 10.0 in²/ft (212 sq cm/meter) of tank diameter for the accumulated area of gaps between the tank wall and the mechanical shoe seal or liquid-mounted primary seal. Subpart Ka. [40 CFR 60.112(a)(1)(i)(A)]

Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 2366 - Placid Refining Co LLC - Port Allen Refinery
 Activity Number: PER20080002
 Permit Number: 3120-00012-V6
 Air - Title V Regular Permit Major Mod

EQT0035 3-82, Tank No. 25

- 396 [40 CFR 60.112(a)(1)(i)(C)] One end of the primary seal metallic shoe is to extend into the stored liquid, and the other end is to extend a minimum vertical distance of 24 inches (61 centimeters) above the stored liquid surface. Subpart Ka. [40 CFR 60.112(a)(1)(i)(C)]
 There are to be no holes, tears, or other openings in the shoe, primary seal fabric, or seal envelope. Subpart Ka. [40 CFR 60.112(a)(1)(i)(D)]
 The primary seal is to be either a metallic shoe seal, a liquid-mounted seal, or a vapor-mounted seal. Subpart Ka. [40 CFR 60.112(a)(1)(i)]
 Install the secondary seal above the primary seal so that it completely covers the space between the roof edge and the tank wall except as provided in 40 CFR 60.112(a)(1)(ii)(A)]
 Seal gap area <= 1.0 in²/ft (21.2 sq cm/meter) of tank diameter for the accumulated area of gaps between the tank wall and the secondary seal used in combination with a metallic shoe or liquid-mounted primary seal. Subpart Ka. [40 CFR 60.112(a)(1)(ii)(B)]
- Which Months: All Year Statistical Basis: None specified
 Seal gap width <= 0.5 in (1.27 cm) for the width of any portion of any gap between the tank wall and the secondary seal used in combination with a metallic shoe or liquid-mounted primary seal. Subpart Ka. [40 CFR 60.112(a)(1)(ii)(B)]
- Which Months: All Year Statistical Basis: None specified
 There shall be no gaps between the tank wall and the secondary seal used in combination with a vapor-mounted primary seal. Subpart Ka. [40 CFR 60.112(a)(1)(ii)(B)]
 There are to be no holes, tears or other openings in the secondary seal or seal fabric. Subpart Ka. [40 CFR 60.112(a)(1)(ii)(C)]
 Each opening in the roof except for automatic bleeder vents and rim space vents is to provide a projection below the liquid surface. Equip each opening in the roof except for automatic bleeder vents, rim space vents and leg sleeves with a cover, seal or lid and maintain in a closed position at all times (i.e., no visible gap) except when the device is in actual use or as described in 40 CFR 60.112(a)(1)(iv). Close automatic bleeder vents at all times when the roof is floating, except when the tank is completely emptied and subsequently refilled. The process of emptying and refilling when the roof is resting on the leg supports or at the manufacturer's recommended setting. Subpart Ka. [40 CFR 60.112(a)(1)(iii)]
 Provide each emergency roof drain with a slotted membrane fabric cover that covers at least 90 percent of the area of the opening. Subpart Ka. [40 CFR 60.112(a)(1)(iv)]
 Equip with an external floating roof consisting of a pontoon-type or double-deck-type cover that rests on the surface of the liquid contents and is equipped with a closure device between the tank wall and the roof edge. Except as provided in 40 CFR 60.112(a)(1)(ii)(D), the closure device is to consist of two seals, one (secondary) above the other (primary). The roof is to be floating on the liquid at all times (i.e., off the roof leg supports) except during initial fill and when the tank is completely emptied and subsequently refilled. The process of emptying and refilling when the roof is resting on the leg supports shall be continuous and shall be accomplished as rapidly as possible. Subpart Ka. [40 CFR 60.112(a)(1)]
 Seal gap area & width monitored by measurement at the regulation's specified frequency. Determine the gap areas and maximum gap widths between the primary seal and the tank wall within 60 days of the initial fill with petroleum liquid and at least once every 5 years thereafter using the procedures in 40 CFR 60.113(a)(1)(ii). Accomplish all primary seal inspections or gap measurements which require the removal or dislodging of the secondary seal as rapidly as possible and replace the secondary seal as soon as possible. Subpart Ka. [40 CFR 60.113(a)(1)(i)(A)]
 Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 2366 - Placid Refining Co LLC - Port Allen Refinery
 Activity Number: PER20080002
 Permit Number: 3120-00012-V6
 Air - Title V Regular Permit Major Mod

<u>EQT0035 3-82, Tank No. 25</u>	
408	[40 CFR 60.113(a)(1)(i)(B)]
409	[40 CFR 60.113(a)(1)(i)(D)]
410	[40 CFR 60.113(a)(1)(i)(E)]
411	[40 CFR 60.113(a)(1)(iv)]
412	[40 CFR 60.115a]
413	[LAC 33:III.2103.B]
414	[LAC 33:III.2103.D.2.a]
415	[LAC 33:III.2103.D.2.b]
416	[LAC 33:III.2103.D.2.c]
417	[LAC 33:III.2103.D.2.d]
418	[LAC 33:III.2103.D.2.e]
419	[LAC 33:III.2103.D.2.e]
420	[LAC 33:III.2103.D.2.e]
421	[LAC 33:III.2103.D.2.e]

Seal gap area & width monitored by measurement at the regulation's specified frequency. Determine the gap areas and maximum gap widths between the secondary seal and the tank wall within 60 days of the initial fill with petroleum liquid and at least once every year thereafter using the procedures in 40 CFR 60.113(a)(1)(ii). Subpart Ka. [40 CFR 60.113(a)(1)(i)(B)]

Which Months: All Year Statistical Basis: None specified
 Gap measurement recordkeeping by electronic or hard copy upon each occurrence of gap measurement performance. Each record shall identify the vessel on which the measurement was performed and shall contain the date of the seal gap measurement, the raw data obtained in the measurement process required by 40 CFR 60.113(a)(1)(ii) and the calculation required by 40 CFR 60.113(a)(1)(iii). Keep records of each gap measurement at the plant for a period of at least 2 years following the date of measurement. Subpart Ka. [40 CFR 60.113(a)(1)(i)(D)]

Submit report: Due to DEQ within 60 days of the date of seal gap measurements, if either the seal gap calculated in accord with 40 CFR 60.113(a)(1)(iii) or the measured maximum seal gap exceeds the limitations specified by 40 CFR 60.112a. The report shall identify the vessel and list each reason why the vessel did not meet the specifications of 40 CFR 60.112a. The report shall also describe the actions necessary to bring the storage vessel into compliance with the specifications of 40 CFR 60.112a. Subpart Ka. [40 CFR 60.113(a)(1)(i)(E)]
 Submit notification: Due to DEQ at least 30 days prior to the gap measurement to afford DEQ to have an observer present. Subpart Ka. [40 CFR 60.113(a)(1)(iv)]

Petroleum liquid storage data recordkeeping by electronic or hard copy continuously. Maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period, except as provided in 40 CFR 60.115a(d). Subpart Ka.

Equip with a submerged fill pipe.

Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric.

Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall.

Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm^2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.

Which Months: All Year Statistical Basis: None specified
 Seal gap area <= 10 in^2/ft of tank diameter (65 cm^2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.

Which Months: All Year Statistical Basis: None specified
 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2.

Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts.

Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs.

Which Months: All Year Statistical Basis: None specified
 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.
 Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 2366 - Placid Refining Co LLC - Port Allen Refinery
 Activity Number: PER20080002
 Permit Number: 3120-00012-V6
 Air - Title V Regular Permit Major Mod

EQT0035 3-82, Tank No. 25

- 422 [LAC 33:III.2103.D.2.e] Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs.
 Which Months: All Year Statistical Basis: None specified
 Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets.
- 423 [LAC 33:III.2103.D.3] Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off or landed on the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening.
- 424 [LAC 33:III.2103.D.3] Control nonslotted guide poles and stilling wells using pole wipers and gasketing between the well and sliding cover. Control slotted guide poles using a float with wiper, pole wiper, and gasketing between the well and sliding cover.
- 425 [LAC 33:III.2103.D.4.a] Submit notification: Due to the Office of Environmental Assessment prior to installation of guide poles and stilling well systems. Submit a description of the method of control and supporting calculations based upon the Addendum to American Petroleum Institute Publication Number 2517 Evaporative Loss from External Floating Roof Tanks, May 1994, for approval.
- 426 [LAC 33:III.2103.D.4.a] Equipment/operational data monitored by visual inspection/determination semiannually. Inspect control systems required by LAC 33:III.2103.D.4 for rips, tears, visible gaps in the pole or float wiper, and/or missing sliding cover gaskets.
- 427 [LAC 33:III.2103.D.4.d] Which Months: All Year Statistical Basis: None specified
 Initiate repairs of any rips, tears, visible gaps in the pole or float wiper, and/or missing sliding cover gaskets within three months of the seven working days after defect is identified, to avoid noncompliance with LAC 33:III.2103.D.4. Complete repairs within three months of the ordering of the repair parts.
- 428 [LAC 33:III.2103.D.4.d] Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1 and b.
- 429 [LAC 33:III.2103.D] Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall.
- 430 [LAC 33:III.2103.D] Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1.
- 431 [LAC 33:III.2103.H.1] Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.
- 432 [LAC 33:III.2103.H.3] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.H.1 -7, as applicable.

EQT0036 1-83, Tank No. 27

- 434 [40 CFR 60.112b(a)(3)(ii)] VOC, Total $\geq 95\%$ reduction efficiency. Emissions are routed to Carbon Adsorption System, Emission Point 8-08. Subpart Kb. [40 CFR 60.112b(a)(3)(ii)]
 Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

All ID: 2366 - Placid Refining Co LLC - Port Allen Refinery
Activity Number: PER20080002
Permit Number: 3120-00012-V6
Air - Title V Regular Permit Major Mod

EQT0036 1-83, Tank No. 27

- 435 [40 CFR 60.116(b)] Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. Keep copies of all records for the life of the source as specified by 40 CFR 60.116(b)(a). Subpart Kb. [40 CFR 60.116(b)]
 Equip with a submerged fill pipe.
 VOC, Total >= 95 % control efficiency. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year.

Which Months: All Year Statistical Basis: None specified

Equip with a vapor loss control system, consisting of a gathering system capable of collecting volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place.

Determine compliance with LAC 33:III.2|03.E using the methods in LAC 33:III.2|03.H.2.a-e, where appropriate.

- Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2|03.I.1 - 7, as applicable.
 Emissions controlled by the existing Carbon Adsorption System, Emission Point 8-08. Subpart Kb.

EQT0037 2-83, Truck Loading Facility

- 442 [40 CFR 60.502(a)] Equip with a vapor collection system designed to collect the total organic compounds vapors displaced from tank trucks during product loading. Subpart XX. [40 CFR 60.502(a)]
 Total Organic Compounds ('TOC') <= 35 mg/l of gasoline loaded, except as noted in 40 CFR 60.502(c). Subpart XX. [40 CFR 60.502(b)]
 Which Months: All Year Statistical Basis: None specified
 Ensure that each vapor collection system is designed to prevent any total organic compounds vapors collected at one loading rack from passing to another loading rack. Subpart XX. [40 CFR 60.502(d)]
 Limit loadings of liquid product into gasoline tank trucks that are vapor-tight using the procedures specified in 40 CFR 60.502(e)(1) through (e)(6). Subpart XX. [40 CFR 60.502(e)]
 Act to assure that loadings of gasoline tank trucks are made only into tanks equipped with vapor collection equipment that is compatible with the terminal's vapor collection system. Subpart XX. [40 CFR 60.502(f)]
 Act to assure that the terminal's and the tank truck's vapor collection systems are connected during each loading of a gasoline tank truck. Subpart XX. [40 CFR 60.502(g)]
 Ensure that the vapor collection equipment is designed and operated to prevent gauge pressure in the delivery tank from exceeding 4,500 pascals (450 mm of water) during product loading. Subpart XX. [40 CFR 60.502(h)]
 Ensure that no pressure-vacuum vent in the bulk gasoline terminal's vapor collection system begins to open at a pressure less than 4,500 pascals (450 mm of water). Subpart XX. [40 CFR 60.502(i)]
 Presence of a leak monitored by technically sound method monthly. Monitor for total organic compounds liquid or vapor leaks. Record each detection of a leak and repair within 15 calendar days after detection. Subpart XX. [40 CFR 60.502(j)]
 Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 2366 - Placid Refining Co LLC - Port Allen Refinery
Activity Number: PER2008002
Permit Number: 3120-00012-V6
Air - Title V Regular Permit Major Mod

EQT0037_2-83, Truck Loading Facility

- 451 [40 CFR 60.503] Determine compliance with the standards in 40 CFR 60.502 using the test methods and procedures specified in 40 CFR 60.503(b) through (f). Subpart XX. [40 CFR 60.503, 40 CFR 63.11092(a)(1)(i)] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in 40 CFR 60.505(a) through (j). Subpart XX.
- Gasoline Loading Rack: Shall route emissions to the Carbon Adsorption System, Emission Point 8-08, during loading. Limit the emissions of TOC <= 80 mg/l of gasoline loaded into gasoline cargo tanks. Subpart BBBB, Table 2, Item 1.A. [40 CFR 61.11088(a)]
- TOC monitored by continuous emission monitoring system (CEMS) while gasoline vapors are displaced to the Carbon Adsorption System, Emission Point 8-08. Subpart BBBB. [40 CFR 63.11092(b)(1)(i)(A)]
- Shall comply with all the applicable notification requirements in accordance with NESHAP, 40 CFR 63, Subpart BBBB.
- Shall comply with all the applicable recordkeeping requirements in accordance with NESHAP, 40 CFR 63.11094. Subpart BBBB.
- Gasoline Loading: Compliance with all the applicable requirements of LAC 33:III.2135 has been determined to be compliant in accordance with the requirements of LAC 33:III.2107. [LAC 33:III.2107.A.1, LAC 33:III.2107.F]
- Do not load gasoline into any tank trucks or trailers from any bulk gasoline terminal unless the conditions in LAC 33:III.2135.B.1 through B.1.d are met.
- VOC, Total <= 80 mg/l (4.7 grains/gallon or 0.67 lb/1000 gallons) of gasoline loaded.
- Which Months: All Year Statistical Basis: None specified
- Do not allow gasoline to be discarded in sewers or stored in open containers or handled in any manner that would result in evaporation.
- Do not allow the pressure in the vapor collection system to exceed the tank truck or trailer pressure relief settings.
- Service only those delivery trucks/transport vessels complying with LAC 33:III.2137.
- Discontinue loading or unloading through affected transfer lines immediately when a leak is observed. Do not resume loading or unloading until the observed leak is repaired.
- Presence of a leak monitored by visual, audible, and/or olfactory during loading. Inspect for visible liquid leaks, visible fumes, or odors resulting from gasoline dispensing operations.
- Which Months: All Year Statistical Basis: None specified
- Determine compliance with LAC 33:III.2135 using the test methods and procedures specified in LAC 33:III.2135.D.1 through D.6.
- Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2135.E.1 through E.5, as applicable.
- Tank Trucks: Ensure that gasoline tank trucks and their vapor collection systems do not sustain a pressure change of more than 3 inches of water (0.75 kPa) in five minutes when pressurized to 18 inches of water (4.5 kPa) or evacuated to 6 inches of water (1.5 kPa) using Test Method 27 (40 CFR Part 60, Appendix A) for determination of vapor tightness of gasoline delivery tanks using pressure-vacuum test.
- Tank Trucks: Ensure that each tank truck has a sticker displayed on each tank indicating the identification number of the tank and the date each tank last passed the pressure and vacuum test described in LAC 33:III.2137.A.1. Certify each tank annually and display the sticker near the Department of Transportation certification plate. Make any repairs necessary to pass the specified requirements within 15 days of failure.
- Vapor Collection Systems: Ensure that loading and unloading operations at gasoline terminals do not produce a reading equal to or greater than 100% of the lower explosive limit (LEL, measured as propane) at 2.5 centimeters around the perimeter of a potential leak source as detected by a combustible gas detector using Test Method 21 (40 CFR Part 60, Appendix A) for determination of volatile organic compound leaks.
- 452 [40 CFR 60.505]
- 453 [40 CFR 61.11088(a)]
- 454 [40 CFR 63.11092(b)(1)(i)(A)]
- 455 [40 CFR 63.11093]
- 456 [40 CFR 63.11094]
- 457 [LAC 33:III.2107.A.1]
- 458 [LAC 33:III.2135.B.1]
- 459 [LAC 33:III.2135.B.2]
- 460 [LAC 33:III.2135.B.3]
- 461 [LAC 33:III.2135.B.4]
- 462 [LAC 33:III.2135.B.5]
- 463 [LAC 33:III.2135.D.7]
- 464 [LAC 33:III.2135.D.7]
- 465 [LAC 33:III.2135.D]
- 466 [LAC 33:III.2135.E]
- 467 [LAC 33:III.2137.A.1]
- 468 [LAC 33:III.2137.A.2]
- 469 [LAC 33:III.2137.B.1]

SPECIFIC REQUIREMENTS

AI ID: 2366 - Placid Refining Co LLC - Port Allen Refinery
 Activity Number: PER20080002
 Permit Number: 3120-00012-V6
 Air - Title V Regular Permit Major Mod

EQT0037 2-83, Truck Loading Facility

- 470 [LAC 33:III.2137.B.2] Vapor Collection Systems: Ensure that the vapor collection and processing equipment is designed and operated to prevent tank truck gauge pressure from exceeding 18 inches of water (4.5 kPa) and prevent vacuum from exceeding 6 inches of water (1.5 kPa).
 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records at the facility for at least two years indicating the last time the vapor collection facility passed the requirements specified in LAC 33:III.2137.B.1. Also, during the annual test procedure, record items which required repair in order to pass the specified requirements.
- 472 [LAC 33:III.501.C.6] Emissions controlled by the existing Carbon Adsorption System, Emission Point 8-08.

EQT0038 1-85, FCCU Preheater

- 473 [40 CFR 60.104(a)(1)] Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm). Shall report all exceedances as per 40 CFR 60.105(e)(3)(ii). Subpart J. [40 CFR 60.104(a)(1), 40 CFR 60.105(e)(3)(ii)]
- 474 [40 CFR 60.105(a)(4)] Which Months: All Year Statistical Basis: Three-hour rolling average Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H₂S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]
- 475 [40 CFR 60.106(a)] Which Months: All Year Statistical Basis: None specified Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]
- 476 [40 CFR 60.106] Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J.
- 477 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
- 478 [LAC 33:III.1313.C] Which Months: All Year Statistical Basis: Six-minute average Total suspended particulate <= 0.6 lb/MMBTU of heat input.
- 479 [LAC 33:III.1503] Which Months: All Year Statistical Basis: None specified Compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart J has been determined to be compliance in accordance with LAC 33:III.Chapter 15. [LAC 33:III.1503, LAC 33:III.1513]
- 480 [LAC 33:III.2201.D.1] Nitrogen oxides <= 0.18 lb/MMBTU. Which Months: May-Sep Statistical Basis: Thirty-day rolling average
- 481 [LAC 33:III.2201.D] Nitrogen oxides monitored by technically sound method continuously.
- 482 [LAC 33:III.2201.G] Which Months: May-Sep Statistical Basis: Thirty-day rolling average Operate the process heater/furnace within the fuel and oxygen limits established during the initial compliance run and in accordance with LAC 33:III.2201.G. [LAC 33:III.2201.G, LAC 33:III.2201.H.2.a.iii]
- 483 [LAC 33:III.2201.H.2.a.i] Fuel monitored by totalizer continuously. Monitor fuel usage with a totalizing fuel meter.
- 484 [LAC 33:III.2201.H.2.a.ii] Which Months: May-Sep Statistical Basis: None specified Oxygen monitored by the regulation's specified method(s) continuously. Monitor oxygen concentration with an oxygen monitor.
- Which Months: May-Sep Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 2366 - Placid Refining Co LLC - Port Allen Refinery
 Activity Number: PER20080002
 Permit Number: 3120-00012-V6
 Air - Title V Regular Permit Major Mod

EQT0038 1-85, FCCU Preheater

- 485 [LAC 33:III.2201.I.1]
- 486 [LAC 33:III.2201.I.1]
- 487 [LAC 33:III.2201.I.2]
- 488 [LAC 33:III.2201.I]

Submit Notification: Due at least 30 days prior to any compliance testing conducted under LAC 33:III.2201.G and any CEMS or PEMS performance evaluation conducted under LAC 33:III.2201.H in order to give DEQ an opportunity to conduct a pretest meeting and observe the emission testing.

Submit test results: Due within 60 days after completing the emission testing required in LAC 33:III.2201.I.1.

Submit report: Due within 90 days of the end of each quarter for any noncompliance of the applicable emission limitations of LAC 33:III.2201.D or E. Include the information specified in LAC 33:III.2201.I.2.a through I.2.d. Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records of the information specified in LAC 33:III.2201.I.3 and I.4 as applicable.

EQT0039 2-85, Reformer Heater Stack

- 489 [40 CFR 60.104(a)(1)]
- 490 [40 CFR 60.105(a)(4)]
- 491 [40 CFR 60.105(a)(4)]
- 492 [40 CFR 60.106(a)]
- 493 [40 CFR 60.106]
- 494 [LAC 33:III.1101.B]

Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm). Shall report all exceedances as per 40 CFR 60.105(e)(3)(ii). Subpart J. [40 CFR 60.104(a)(1), 40 CFR 60.105(e)(3)(ii)]

Which Months: All Year Statistical Basis: Three-hour rolling average
 Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H₂S in fuel gases before being burned in any fuel gas combustion device. Subpart J [40 CFR 60.105(a)(4)]

Which Months: All Year Statistical Basis: None specified
 Permittee shall maintain and operate H₂S Continuous Emission Monitoring Systems (CEMS) in accordance with the quantity assurance and quality control measures as per NSPS, 40 CFR 60, Appendix F. Subpart J. [40 CFR 60.105(a)(4)]
 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]
 Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J.
 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: Six-minute average
 Total suspended particulate <= 0.6 lb/MMBTU of heat input.
 Which Months: All Year Statistical Basis: None specified
 Compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart J has been determined to be compliance in accordance with LAC 33:III:Chapter 15. [LAC 33:III.1503, LAC 33:III.1513]

Nitrogen oxides <= 0.08 lb/MMBTU.
 Which Months: May-Sep Statistical Basis: Thirty-day rolling average
 Nitrogen oxides monitored by technically sound method continuously.

Which Months: May-Sep Statistical Basis: Thirty-day rolling average
 Fuel monitored by totalizer continuously. Monitor fuel usage with a totalizing fuel meter.
 Which Months: May-Sep Statistical Basis: None specified
 Oxygen monitored by the regulation's specified method(s) continuously. Monitor oxygen concentration with an oxygen monitor.
 Which Months: May-Sep Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 2366 - Placid Refining Co LLC - Port Allen Refinery

Activity Number: PER20080002

Permit Number: 3120-00012-V6

Air - Title V Regular Permit Major Mod

EQT0039 2-85, Reformer Heater Stack

501 [LAC 33:III.2201.H.2.a.iii]

Operate the process heater/furnace within the fuel and oxygen limits established during the initial compliance run.

Fuel recordkeeping by electronic or hard copy daily. Record fuel gas composition.

Submit Notification: Due at least 30 days prior to any compliance testing conducted under LAC 33:III.2201.G and any CEMS or PEMS performance evaluation conducted under LAC 33:III.2201.H in order to give DEQ an opportunity to conduct a pretest meeting and observe the emission testing.

Submit test results: Due within 60 days after completing the emission testing required in LAC 33:III.2201.1.i.

Submit report: Due within 90 days of the end of each quarter for any noncompliance of the applicable emission limitations of LAC 33:III.2201.D or E. Include the information specified in LAC 33:III.2201.1.a through 1.2.d.

Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records of the information specified in LAC 33:III.2201.1.3 and 1.4 as applicable.

EQT0040 4-85, Tank No. 26

507 [40 CFR 60.112b(a)(3)(ii)]

VOC, Total >= 95 % reduction efficiency using a closed vent system and control device. Subpart Kb. [40 CFR 60.112b(a)(3)(ii)]

Which Months: All Year Statistical Basis: None Specified

Equip with a closed vent system and control device. Design the closed vent system to collect all VOC vapors and gases discharged from the storage vessel and operate with no detectable emissions. Subpart Kb. [40 CFR 60.112b(a)(3)]

Submit an operating plan as an attachment to the notification required by 40 CFR 60.7(a)(1) or, if the facility is exempt from 40 CFR 60.7(a)(1), as an attachment to the notification required by 40 CFR 60.7(a)(2), for approval by DEQ. The operating plan shall contain the information listed in 40 CFR 60.113b(c)(1) and (ii). Subpart Kb. [40 CFR 60.113b(c)(1)]

Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. Keep copies of all records for the life of the source as specified by 40 CFR 60.116b(a). Subpart Kb. [40 CFR 60.116b(b)]

Equip with a submerged fill pipe.

VOC, Total >= 95 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year.

Which Months: All Year Statistical Basis: None Specified

Equip with a vapor loss control system, consisting of a gathering system capable of collecting volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place.

Determine compliance with LAC 33:III.2103.E using the methods in LAC 33:III.2103.H.2.a-e, where appropriate.

Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.

Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.1.1 - 7, as applicable. Emissions controlled by the existing Enclosed Vapor Combustor, Emission Point 1.9.

EQT0041 1-91, Enclosed Vapor Combustor

SPECIFIC REQUIREMENTS

AI ID: 2366 - Placid Refining Co LLC - Port Allen Refinery
Activity Number: PER20080002
Permit Number: 3120-00012-V6
Air - Title V Regular Permit Major Mod

EQT0041 1-91, Enclosed Vapor Combustor

518 [40 CFR 64.4]

Compliance with all the applicable requirements for monitoring, recordkeeping, and reporting in accordance with LAC 33:III.2103.E.1 and LAC 2108.C.2 and C.3 along with the conditions below has been determined to be compliance with all the applicable requirements of Compliance Assurance Monitoring (CAM): 1) Monitor and record the exit temperature of the Enclosed Vapor Combustor daily; 2) Maintain the exit temperature of the Enclosed Vapor Combustor equal to or greater 1500 degrees F. 3) Mitigating actions shall be taken if these requirements are not met. [40 CFR 64.4, 40 CFR 64.5]

Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: Six-minute average

Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: Six-minute average

Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15.* Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request.

VOC, Total >= 95 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year.

Which Months: All Year Statistical Basis: None specified

Determine compliance with LAC 33:III.2103.E using the methods in LAC 33:III.H.2.a-e, where appropriate.

Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.1.1 - 7, as applicable.

Equip with a vapor collection system designed to collect the organic compounds vapors displaced from ships and/or barges during loading, VOC, Total >= 90 % reduction by weight by collecting and processing the vapors with a recovery and/or destruction system.

Which Months: All Year Statistical Basis: None specified

Barge loading of gasoline: Total Organic Compounds (TOC) <= 70 mg/l of VOC loaded (0.6 lb/1000 gal).

Which Months: All Year Statistical Basis: None specified

Barge loading of crude oil or other VOCs: Total Organic Compounds (TOC) <= 30 mg/l of VOC loaded (0.25 lb/1000 gal).

Which Months: All Year Statistical Basis: None specified

Ship loading of gasoline: Total Organic Compounds (TOC) <= 30 mg/l of VOC loaded (0.25 lb/1000 gal).

Which Months: All Year Statistical Basis: None specified

Ship loading of crude oil or other VOCs: Total Organic Compounds (TOC) <= 12 mg/l of VOC loaded (0.1 lb/1000 gal).

Which Months: All Year Statistical Basis: None specified

Load only into ships and/or barges equipped with vapor collection equipment that is compatible with the affected facility's vapor collection system. Properly connect the vapor collection and disposal system to the ships and/or barges before any loading is done.

Determine compliance with LAC 33:III.2108.C.3 using the methods in LAC 33:III.2108.E.1-5, as appropriate.

Submit test results: Due to the Office of Environmental Assessment within 45 days of any testing done in accordance with LAC 33:III.2108.E.

SPECIFIC REQUIREMENTS

AI ID: 2366 - Placid Refining Co LLC - Port Allen Refinery
Activity Number: PER20080002
Permit Number: 3120-00012-V6
Air - Title V Regular Permit Major Mod

EQT0041 1-91, Enclosed Vapor Combustor

Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2108.F.2.

Loading gasoline, crude oil or other VOCs into ships or barges is prohibited unless all loading and vapor lines, arms and hoses are equipped with fittings which make vapor-tight connections and provide tight shut-off when disconnected.

Prevent spills or leaks during attachment or disconnection of filling lines, hoses or arms. Do not spill liquids or handle in any other manner that would result in evaporation to the atmosphere.

Maintain all equipment associated with the loading of gasoline, crude oil or other VOC into ships or barges to be leak-free, gas-tight and in good working order.

Permittee shall operate and maintain the Enclosed Vapor Combustor (EVC), Emission Point I-91, to manufacturer's specifications (stack temperature control, burn control, pilot automation, alarms, etc.) to achieve a maximum peak control VOC limits of 10 mg/L loaded. Keep records of the products and quantities loaded along with the streams and their quantities routed to the EVC for control.

Conduct a performance/emissions test: Due within five years, plus or minus 6 months, of when the previous performance test was performed, or within 180 days after the issuance of a permit renewal, whichever comes later. The stack tests purpose is to demonstrate compliance with the emission limits of this permit and therefore must be conducted at greater than 80% of permitted maximum capacity. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 6C - Determination of Sulfur Dioxide Emissions from Stationary Sources; and Method 5 - Determination of Particulate Matter Emissions from Stationary Sources. Use alternate stack tests methods only with the prior approval of the Office of Environmental Assessment. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.

Submit notification: Due at least 30 days prior to any LDEQ required performance/emissions test to the Office of Environmental Assessment, to provide the opportunity to conduct a pretest meeting and observe the emission testing.

Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment. The test results summary shall include any necessary conversion into the units of any applicable Standard. (lbs/MMBtu, gr/dscf, lbs SO₂ / ton 100% H₂SO₄, Etc.) Plant and in house laboratory data to support production values shall be included. (Example: how many tons of 100% equivalent H₂SO₄ was being produced) Units tested at less than 95% of permitted maximum capacity shall provide documentation to support compliance at 100% of the permitted maximum capacity.

EQT0042 2-91, Charge Heater

Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm). Shall report all exceedances as per 40 CFR 60.105(e)(3)(ii). Subpart J. [40 CFR 60.104(a)(1), 40 CFR 60.105(e)(3)(ii)]

Which Months: All Year Statistical Basis: Three-hour rolling average

Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H₂S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]

Which Months: All Year Statistical Basis: Non-specific

Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]

SPECIFIC REQUIREMENTS

AI ID: 2366 - Placid Refining Co LLC - Port Allen Refinery
 Activity Number: PER20080002
 Permit Number: 3120-00012-V6
 Air - Title V Regular Permit Major Mod

EQT0042 2-91, Charge Heater

Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J. Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: Six-minute average
 Total suspended particulate <= 0.6 lb/MMBTU of heat input.

Which Months: All Year Statistical Basis: None specified
 Compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart J has been determined to be compliance in accordance with LAC 33:III,Chapter 15. [LAC 33:III.1503, LAC 33:III.1513]

Nitrogen oxides <= 0.18 lb/MMBTU. Continuously during ozone season. [LAC 33:III.2201.D.1, LAC 33:III.2201.D.4]
 Which Months: May-Sep Statistical Basis: Thirty-day rolling average

Nitrogen oxides monitored by technically sound method continuously.
 Which Months: May-Sep Statistical Basis: Thirty-day rolling average

Operate the process heater/furnace within the fuel and oxygen limits established during the initial compliance run and in accordance with LAC 33:III.2201.G. [LAC 33:III.2201.G, LAC 33:III.2201.H.2.a.iii]
 Fuel monitored by totalizer continuously. Monitor fuel usage with a totalizing fuel meter.

Which Months: May-Sep Statistical Basis: None specified
 Oxygen monitored by the regulation's specified method(s) continuously. Monitor oxygen concentration with an oxygen monitor.
 Which Months: May-Sep Statistical Basis: None specified

Submit Notification: Due at least 30 days prior to any compliance testing conducted under LAC 33:III.2201.G and any CEMS or PEMS performance evaluation conducted under LAC 33:III.2201.H in order to give DEQ an opportunity to conduct a pretest meeting and observe the emission testing.

Submit test results: Due within 60 days after completing the emission testing required in LAC 33:III.2201.I.1.

Submit report: Due within 90 days of the end of each quarter for any noncompliance of the applicable emission limitations of LAC 33:III.2201.D or E. Include the information specified in LAC 33:III.2201.I.2.a through I.2.d.

Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records of the information specified in LAC 33:III.2201.I.3 and I.4 as applicable.

EQT0043 3-91, Stripper/Reboiler

Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm). Shall report all exceedances as per 40 CFR 60.105(e)(3)(ii). Subpart J. [40 CFR 60.104(a)(1), 40 CFR 60.105(e)(3)(ii)]

Which Months: All Year Statistical Basis: Three-hour rolling average
 Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H₂S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]

Which Months: All Year Statistical Basis: None specified
 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]

SPECIFIC REQUIREMENTS

AI ID: 2366 - Placid Refining Co LLC - Port Allen Refinery

Activity Number: PER20080002

Permit Number: 3120-00012-V6

Air - Title V Regular Permit Major Mod

EQT0043 3-91, Stripper Reboiler

- 562 [40 CFR 60 106]
563 [LAC 33:III.1101.B] Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J.
Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
- Which Months: All Year Statistical Basis: None specified
- 564 [LAC 33:III.1313.C] Total suspended particulate <= 0.6 lb/MMBTU of heat input.
- Which Months: All Year Statistical Basis: None specified
- 565 [LAC 33:III.1503] Compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart J has been determined to be compliance in accordance with LAC 33:III.Chapter 15. [LAC 33:III.1503, LAC 33:III.1513]

EQT0044 1-96, Tank No. 67

- 566 [40 CFR 60.1126(a)(3)(ii)] VOC, Total >= 95 % reduction efficiency using a closed vent system and control device. Subpart Kb. [40 CFR 60.1126(a)(3)(ii)]
Which Months: All Year Statistical Basis: None specified
- 567 [40 CFR 60.1126(a)(3)] Equip with a closed vent system and control device. Design the closed vent system to collect all VOC vapors and gases discharged from the storage vessel and operate with no detectable emissions. Subpart Kb. [40 CFR 60.1126(a)(3)]
- 568 [40 CFR 60.1136(c)(1)] Submit an operating plan as an attachment to the notification required by 40 CFR 60.7(a)(1) or, if the facility is exempt from 40 CFR 60.7(a)(1), as an attachment to the notification required by 40 CFR 60.7(a)(2), for approval by DEQ. The operating plan shall contain the information listed in 40 CFR 60.113(b)(c)(i) and (ii). Subpart Kb. [40 CFR 60.113b(c)(1)]
- 569 [40 CFR 60.116(b)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. Keep copies of all records for the life of the source as specified by 40 CFR 60.116(b)(a). Subpart Kb. [40 CFR 60.116(b)]
- 570 [40 CFR 60.116(c)] VOL storage data recordkeeping by electronic or hard copy continuously. Records consist of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period. Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.116(c)]
- 571 [40 CFR 63.11094] Shall comply with all the applicable recordkeeping and reporting requirements in accordance with NESHAP, 40 CFR 63.11094. Subpart BBBB. [40 CFR 63.11094, 40 CFR 63.11095(a)(1)]
- 572 [LAC 33:III.2103.B] Equip with a submerged fill pipe.
- 573 [LAC 33:III.2103.E.] VOC, Total >= 95 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year.
- Which Months: All Year Statistical Basis: None specified
- 574 [LAC 33:III.2103.E.] Equip with a vapor loss control system, consisting of a gathering system capable of collecting volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place.
- Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1.
- Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.

SPECIFIC REQUIREMENTS

AI ID: 2366 - Placid Refining Co LLC - Port Allen Refinery
 Activity Number: PER200B0002
 Permit Number: 3120-00012-V6
 Air - Title V Regular Permit Major Mod

EQT0044 1-96, Tank No. 67

577 [LAC 33:III.2103.I]

Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.
 Emissions controlled by the existing Carbon Adsorption System, Emission Point 8-08. Subpart K_b.

EQT0045 2-96, Tank No. 4

579 [LAC 33:III.2103.B]

Equip with a submerged fill pipe.
 VOC, Total \geq 95 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year.
 Which Months: All Year Statistical Basis: None specified

580 [LAC 33:III.2103.E]

Equip with a vapor loss control system, consisting of a gathering system capable of collecting volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place.

581 [LAC 33:III.2103.E]

Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.2.a.e.

582 [LAC 33:III.2103.H.]

Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a.e.

583 [LAC 33:III.2103.H.]

Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.
 Emissions controlled by the existing Enclosed Vapor Combustor, Emission Point 1-91.

EQT0046 3-96, Tank No. 60

584 [LAC 33:III.501.C.6]

Equip with a floating roof, a vapor recovery system, or their equivalents. Subpart K. [40 CFR 60.112(a)(1)]
 Petroleum liquid storage data recordkeeping by electronic or hard copy continuously. Maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period, except as provided in 40 CFR 60.113(d). Subpart K.

585 [LAC 33:III.501.C.6]

Storage Vessel: Shall route emissions to the Carbon Adsorption System, Emission Point 8-08, during loading. Reduce emissions of TOC by 95% with a closed vent system. Subpart BBBB, Table 1, Item 2.A.a. [40 CFR 61.11087(a)]
 Shall comply with the applicable requirements of NESHPAP, 40 CFR 63.11092(e)(3). Subpart BBBB. [40 CFR 63.11092(e)(3)]

586 [40 CFR 61.11087(a)]

... 587 [40 CFR 60.113] ... - - - - - Shall comply with all the applicable notification requirements in accordance with NESHPAP, 40 CFR 63, Subpart BBBB, Subpart K. [40 CFR 61.11087(a)]
 BBBB. [40 CFR 63.11094, 40 CFR 63.11095(a)(1)]

588 [40 CFR 61.11087(a)]

... 589 [40 CFR 63.11092(e)(3)] ... - - - - - Shall comply with all the applicable recordkeeping and reporting requirements in accordance with NESHPAP, 40 CFR 63.11094. Subpart BBBB. [40 CFR 63.11094, 40 CFR 63.11095(a)(1)]
 Equip with a submerged fill pipe.

590 [40 CFR 63.11093]

VOC, Total \geq 95 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year.
 Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 2366 - Placid Refining Co LLC - Port Allen Refinery

Activity Number: PER20080002

Permit Number: 3120-00012-V6

Air - Title V Regular Permit Major Mod

EQT0046 3-96, Tank No. 60

594 [LAC 33.III.2103.E]

Equip with a vapor loss control system, consisting of a gathering system capable of collecting volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place.

Determine VOC maximum true vapor pressure using the methods in LAC 33.III.2103.H.2.a.e.

Determine VOC maximum true vapor pressure using the methods in LAC 33.III.2103.H.3.a.e.

Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33.III.2103.1.1 - 7, as applicable.

Emissions controlled by the existing Carbon Adsorption System, Emission Point 8-08. Subpart K.

EQT0047 4-96, Tank No. 61

599 [LAC 33.III.501.C.6]

Emissions controlled by the existing Carbon Adsorption System, Emission Point 8-08.

EQT0048 5-96, Tank No. 62

600 [40 CFR 60.112b(a)(3)(iii)]

VOC, Total \geq 95 % reduction efficiency using a closed vent system and control device. Subpart Kb. [40 CFR 60.112b(a)(3)(ii)] Which Months: All Year Statistical Basis: None specified

Equip with a closed vent system to collect all VOC vapors and gases discharged from the storage vessel and operate with no detectable emissions. Subpart Kb. [40 CFR 60.112b(a)(3)]

Submit an operating plan as an attachment to the notification required by 40 CFR 60.7(a)(1) or, if the facility is exempt from 40 CFR 60.7(a)(1), as an attachment to the notification required by 40 CFR 60.7(a)(2), for approval by DEQ. The operating plan shall contain the information listed in 40 CFR 60.113b(c)(1) and (ii). Subpart Kb. [40 CFR 60.113b(c)(1)]

Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. Keep copies of all records for the life of the source as specified by 40 CFR 60.116b(a). Subpart Kb. [40 CFR 60.116b(b)] VOL storage data recordkeeping by electronic or hard copy continuously. Records consist of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period. Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.116b(c)]

Shall comply with all the applicable recordkeeping and reporting requirements in accordance with NESIHAAP, 40 CFR 63.11094. Subpart BBBB. [40 CFR 63.11094, 40 CFR 63.11095(a)(1)] Equip with a submerged fill pipe.

VOC, Total \geq 95 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year. Which Months: All Year Statistical Basis: None specified

Equip with a vapor loss control system, consisting of a gathering system capable of collecting volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place.

SPECIFIC REQUIREMENTS

AI ID: 2366 - Placid Refining Co LLC - Port Allen Refinery
 Activity Number: PER2008002
 Permit Number: 3120-00012-V6
 Air - Title V Regular Permit Major Mod

EQT0048 5-96, Tank No. 62

- 609 [LAC 33:III.2103.H.1] Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1.
 610 [LAC 33:III.2103.H.3] Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.
 611 [LAC 33:III.2103.I] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.
 612 [LAC 33:III.501.C.6] Emissions controlled by the existing Carbon Adsorption System, Emission Point 8-08.

EQT0049 8-96, Tank No. 3

- 613 [LAC 33:III.501.C.6] Emissions controlled by the existing Enclosed Vapor Combustor, Emission Point 1-91.

EQT0050 9-96, Tank No. 5

- 614 [LAC 33:III.501.C.6] Emissions controlled by the existing Enclosed Vapor Combustor, Emission Point 1-91.

EQT0051 10-96, Tank No. 6

- 615 [LAC 33:III.2103.B] Equip with a submerged fill pipe.
 616 [LAC 33:III.2103.E.] VOC, Total \geq 95 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year.
 Which Months: All Year Statistical Basis: None specified
 Equip with a vapor loss control system, consisting of a gathering system capable of collecting volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place.
 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.2.a-e.
 617 [LAC 33:III.2103.E] Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.
 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.
 618 [LAC 33:III.2103.H.2] Emissions controlled by the existing Enclosed Vapor Combustor, Emission Point 1-91.

EQT0052 11-96, Tank No. 7

- 622 [LAC 33:III.501.C.6] Emissions controlled by the existing Enclosed Vapor Combustor, Emission Point 1-91.

EQT0053 12-96, Tank No. 64

- 623 [LAC 33:III.501.C.6] Emissions controlled by the existing Carbon Adsorption System, Emission Point 8-08.

SPECIFIC REQUIREMENTS

AI ID: 2366 - Placid Refining Co LLC - Port Allen Refinery

Activity Number: PER20080002

Permit Number: 3120-00012-V6

Air - Title V Regular Permit Major Mod

EQT0056 1-97, Tank No. 63

- VOC, Total \geq 95 % reduction efficiency using a closed vent system and control device. Subpart Kb. [40 CFR 60.112(b)(a)(3)(ii)]
 Which Months: All Year Statistical Basis: None specified
 Equip with a closed vent system and control device. Design the closed vent system to collect all VOC vapors and gases discharged from the storage vessel and operate with no detectable emissions. Subpart Kb. [40 CFR 60.112(b)(a)(3)]
 Submit an operating plan as an attachment to the notification required by 40 CFR 60.7(a)(1) or, if the facility is exempt from 40 CFR 60.7(a)(1), as an attachment to the notification required by 40 CFR 60.7(a)(2), for approval by DEQ. The operating plan shall contain the information listed in 40 CFR 60.113(b)(c)(1)(i) and (ii). Subpart Kb. [40 CFR 60.113(b)(c)(1)]
 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. Keep copies of all records for the life of the source as specified by 40 CFR 60.116(b)(a). Subpart Kb. [40 CFR 60.116(b)(b)]
 VOC storage data recordkeeping by electronic or hard copy continuously. Records consist of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period. Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.116(b)(c)]
 Shall comply with all the applicable recordkeeping and reporting requirements in accordance with NESHAP, 40 CFR 63.11094. Subpart BBBB.B. [40 CFR 63.11094, 40 CFR 63.11095(a)(1)]
 Equip with a submerged fill pipe.
 VOC, Total \geq 95 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year.
 Which Months: All Year Statistical Basis: None specified
 Equip with a vapor loss control system, consisting of a gathering system capable of collecting volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place.
 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3-a.
 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.
 Emissions controlled by the existing Carbon Adsorption System, Emission Point 8-08.

EQT0057 1-01, Tank No. 28

- 636 [LAC 33:III.501.C.6] Emissions controlled by the existing Enclosed Vapor Combustor, Emission Point 1-91.

EQT0058 2-01, Tank No. 2

- 637 [LAC 33:III.501.C.6] Emissions controlled by the existing Enclosed Vapor Combustor, Emission Point 1-91.

EQT0061 3-02, Tank No. 100, Pressure Vessel (PV)

SPECIFIC REQUIREMENTS

AI ID: 2366 - Placid Refining Co LLC - Port Allen Refinery
 Activity Number: PER20080002
 Permit Number: 3120-00012-V6
 Air - Title V Regular Permit Major Mod

EQT0061 3-02, Tank No. 100, Pressure Vessel (PV)

638 [LAC 33:II.2103.F] Pressure Vessel: Maintain working pressures sufficient at all times under normal operating conditions to prevent vapor or gas loss to the atmosphere.

EQT0062 4-02, Tank No. 101, PV

639 [LAC 33:II.2103.F] Pressure Vessel: Maintain working pressures sufficient at all times under normal operating conditions to prevent vapor or gas loss to the atmosphere.

EQT0063 5-02, Tank No. 102, PV

640 [LAC 33:II.2103.F] Pressure Vessel: Maintain working pressures sufficient at all times under normal operating conditions to prevent vapor or gas loss to the atmosphere.

EQT0064 6-02, Tank No. 103, PV

641 [LAC 33:II.2103.F] Pressure Vessel: Maintain working pressures sufficient at all times under normal operating conditions to prevent vapor or gas loss to the atmosphere.

EQT0065 7-02, Tank No. 104, PV

642 [LAC 33:II.2103.F] Pressure Vessel: Maintain working pressures sufficient at all times under normal operating conditions to prevent vapor or gas loss to the atmosphere.

EQT0066 8-02, Tank No. 105, PV

643 [LAC 33:II.2103.F] Pressure Vessel: Maintain working pressures sufficient at all times under normal operating conditions to prevent vapor or gas loss to the atmosphere.

EQT0067 9-02, Tank No. 106, PV

644 [LAC 33:II.2103.F] Pressure Vessel: Maintain working pressures sufficient at all times under normal operating conditions to prevent vapor or gas loss to the atmosphere.

EQT0068 10-02, Tank No. 107, PV

645 [LAC 33:II.2103.F] Pressure Vessel: Maintain working pressures sufficient at all times under normal operating conditions to prevent vapor or gas loss to the atmosphere.

EQT0069 11-02, Tank No. 108, PV

SPECIFIC REQUIREMENTS

AI ID: 2366 - Placid Refining Co LLC - Port Allen Refinery
Activity Number: PER20080002
Permit Number: 3120-00012-V6
Air - Title V Regular Permit Major Mod

EQT0069 11-02, Tank No. 108, PV

646 [LAC 33:III.2103 F] Pressure Vessel: Maintain working pressures sufficient at all times under normal operating conditions to prevent vapor or gas loss to the atmosphere.

EQT0070 12-02, Tank No. 109, PV

647 [LAC 33:III.2103 F] Pressure Vessel: Maintain working pressures sufficient at all times under normal operating conditions to prevent vapor or gas loss to the atmosphere.

EQT0071 13-02, Tank No. 110, PV

648 [LAC 33:III.2103 F] Pressure Vessel: Maintain working pressures sufficient at all times under normal operating conditions to prevent vapor or gas loss to the atmosphere.

EQT0072 14-02, Tank No. 111, PV

649 [LAC 33:III.2103 F] Pressure Vessel: Maintain working pressures sufficient at all times under normal operating conditions to prevent vapor or gas loss to the atmosphere.

EQT0073 15-02, Tank No. 112, PV

650 [LAC 33:III.2103 F] Pressure Vessel: Maintain working pressures sufficient at all times under normal operating conditions to prevent vapor or gas loss to the atmosphere.

EQT0074 16-02, Tank No. 113, PV

651 [LAC 33:III.2103 F] Pressure Vessel: Maintain working pressures sufficient at all times under normal operating conditions to prevent vapor or gas loss to the atmosphere.

EQT0075 17-02, Tank No. 114, PV

652 [LAC 33:III.2103 F] Pressure Vessel: Maintain working pressures sufficient at all times under normal operating conditions to prevent vapor or gas loss to the atmosphere.

EQT0076 18-02, Tank No. 115, PV

653 [LAC 33:III.2103 F] Pressure Vessel: Maintain working pressures sufficient at all times under normal operating conditions to prevent vapor or gas loss to the atmosphere.

EQT0077 19-02, Tank No. 116, PV

SPECIFIC REQUIREMENTS

AI ID: 2366 - Placid Refining Co LLC - Port Allen Refinery
 Activity Number: PER20080002
 Permit Number: 3120-00012-V6
 Air - Title V Regular Permit Major Mod

EQT0077 19-02, Tank No. 116, PV

Pressure Vessel: Maintain working pressures sufficient at all times under normal operating conditions to prevent vapor or gas loss to the atmosphere.

EQT0078 20-02, Tank No. 117, PV

Pressure Vessel: Maintain working pressures sufficient at all times under normal operating conditions to prevent vapor or gas loss to the atmosphere.

EQT0079 1-07, Tank No. 2 Hot Oil Heater

656 [LAC 33:III.2103.F]

Emissions controlled by the existing Enclosed Vapor Combustor, Emission Point 1-91.

EQT0081 1-08, No. 2 Hot Oil Heater

657 [40 CFR 60.104(a)(1)]

Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm). Shall report all exceedances as per 40 CFR 60.105(e)(3)(ii). Subpart J. [40 CFR 60.104(a)(1), 40 CFR 60.105(e)(3)(ii)]

Which Months: All Year Statistical Basis: Three-hour rolling average
 Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H₂S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]

Which Months: All Year Statistical Basis: None specified
 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]
 Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (K). Subpart J.
 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: Six-minute average
 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: Six-minute average
 Total suspended particulate <= 0.6 lb/MMBTU of heat input.

Which Months: All Year Statistical Basis: None specified
 Compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart J has been determined to be compliance in accordance with LAC 33:II.Chapter 15. [LAC 33:III.1503, LAC 33:III.1513]
 Nitrogen oxides <= 0.08 lb/MMBTU. Continuously during ozone season in accordance with Table D-1A.
 Which Months: May-Sep Statistical Basis: Thirty-day rolling average
 Nitrogen oxides monitored by technically sound method continuously.
 Which Months: May-Sep Statistical Basis: Thirty-day rolling average

SPECIFIC REQUIREMENTS

AI ID: 2366 - Placid Refining Co LLC - Port Allen Refinery

Activity Number: PER20080002

Permit Number: 3120-00012-V6

Air - Title V Regular Permit Major Mod

EQT0081 1-08, No. 2 Hot Oil Heater

667 [LAC 33:III.2201.G] Operate the process heater/furnace within the fuel and oxygen limits established during the initial compliance run and in accordance with LAC 33:III.2201.G. [LAC 33:III.2201.H.2.a.iii]
 Fuel monitored by totalizer continuously. Monitor fuel usage with a totalizing fuel meter.
 Which Months: May-Sep Statistical Basis: None specified
 Oxygen monitored by the regulation's specified method(s) continuously. Monitor oxygen concentration with an oxygen monitor.

668 [LAC 33:III.2201.H.2.a.ii] Which Months: May-Sep Statistical Basis: None specified
 Oxygen monitored by the regulation's specified method(s) continuously. Monitor oxygen concentration with an oxygen monitor.

669 [LAC 33:III.2201.H.2.a.ii] Which Months: May-Sep Statistical Basis: None specified
 Submit Notification: Due at least 30 days prior to any compliance testing conducted under LAC 33:III.2201.G and any CEMS or PEMS performance evaluation conducted under LAC 33:III.2201.H in order to give DEQ an opportunity to conduct a pretest meeting and observe the emission testing.

670 [LAC 33:III.2201.I.1] Submit test results: Due within 60 days after completing the emission testing required in LAC 33:III.2201.I.1.
 Submit report: Due within 90 days of the end of each quarter for any noncompliance of the applicable emission limitations of LAC 33:III.2201.D or E. Include the information specified in LAC 33:III.2201.I.2.a through I.2.d.
 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records of the information specified in LAC 33:III.2201.I.3 and I.4 as applicable.

671 [LAC 33:III.2201.I.1] Conduct a performance/emissions test: Conduct the stack test within 180 days after the receipt of the initial Part 70 permit. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
 Submit notification: Due at least 30 days prior to performance/emissions test to the Office of Environmental Assessment to provide the opportunity to conduct a pretest meeting and observe the emission testing.

672 [LAC 33:III.2201.I.2] Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment.

673 [LAC 33:III.2201.I] 674 [LAC 33:III.501.C.6]

675 [LAC 33:III.501.C.6] 676 [LAC 33:III.501.C.6]

Submit notification: Due at least 30 days prior to performance/emissions test to the Office of Environmental Assessment to provide the opportunity to conduct a pretest meeting and observe the emission testing.

Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment.

EQT0082 3-08, Gas Oil Heater Unit

677 [40 CFR 60.104(a)(1)] Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm). Shall report all exceedances as per 40 CFR 60.105(e)(3)(ii). Subpart J [40 CFR 60.104(a)(1), 40 CFR 60.105(e)(3)(ii)]
 Which Months: All Year Statistical Basis: Three-hour rolling average
 Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H₂S in fuel gases before being burned in any fuel gas combustion device. Subpart J [40 CFR 60.105(a)(4)]
 Which Months: All Year Statistical Basis: None specified
 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J [40 CFR 60.106(a)] Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J.

678 [40 CFR 60.105(a)(4)]

679 [40 CFR 60.106(a)]

680 [40 CFR 60.106]

SPECIFIC REQUIREMENTS

AI ID: 2366 - Placid Refining Co LLC - Port Allen Refinery
 Activity Number: PER20080002
 Permit Number: 3120-00012-V6
 Air - Title V Regular Permit Major Mod

EQT0082 3-08, Gas Oil Heater Unit

- 681 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
- 682 [LAC 33:III.1313.C] Which Months: All Year Statistical Basis: Six-minute average Total suspended particulate <= 0.6 lb/MMBTU of heat input.
- 683 [LAC 33:III.1503] Which Months: All Year Statistical Basis: None specified Compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart J has been determined to be compliance in accordance with LAC 33:III.Chapter 15. [LAC 33:III.1503, LAC 33:III.1513]
- 684 [LAC 33:III.2201.D.] Nitrogen oxides <= 0.08 lb/MMBTU Continuously during ozone season in accordance with Table D-1A.
- 685 [LAC 33:III.2201.D] Which Months: May-Sep Statistical Basis: Thirty-day rolling average
- 686 [LAC 33:III.2201.G] Nitrogen oxides monitored by technically sound method continuously.
- 687 [LAC 33:III.2201.H.2.a.] Which Months: May-Sep Statistical Basis: Thirty-day rolling average Operate the process heater/furnace within the fuel and oxygen limits established during the initial compliance run and in accordance with LAC 33:III.2201.G. [LAC 33:III.2201.G, LAC 33:III.2201.H.2.a.iii]
- 688 [LAC 33:III.2201.H.2.a.ii] Fuel monitored by totalizer continuously. Monitor fuel usage with a totalizing fuel meter.
- 689 [LAC 33:III.2201.I.] Which Months: May-Sep Statistical Basis: None specified Oxygen monitored by the regulation's specified method(s) continuously. Monitor oxygen concentration with an oxygen monitor.
- 690 [LAC 33:III.2201.I.1] Which Months: May-Sep Statistical Basis: None specified
- 691 [LAC 33:III.2201.I.2] Submit Notification: Due at least 30 days prior to any compliance testing conducted under LAC 33:III.2201.G and any CEMS or PEMS performance evaluation conducted under LAC 33:III.2201.H in order to give DEQ an opportunity to conduct a pretest meeting and observe the emission testing.
- 692 [LAC 33:III.2201.I] Submit test results: Due within 60 days after completing the emission testing required in LAC 33:III.2201.I.1.
- 693 [LAC 33:III.507.H.1.a] Conduct a performance/emissions test: Conduct the stack test within 180 days after the receipt of the initial Part 70 permit. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- 694 [LAC 33:III.507.H.1.a] Submit notification: Due at least 30 days prior to performance/emissions test to the Office of Environmental Assessment to provide the opportunity to conduct a pretest meeting and observe the emission testing.
- 695 [LAC 33:III.507.H.1.a] Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment.

EQT0083 4-08, No. 3 Boiler

SPECIFIC REQUIREMENTS

AI ID: 2366 - Placid Refining Co LLC - Port Allen Refinery
 Activity Number: PER20080002
 Permit Number: 3120-00012-V6
 Air - Title V Regular Permit Major Mod

EQT00083 4-08, No. 3 Boiler

- 696 [40 CFR 60.104(a)(1)]
 Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm). Shall report all exceedances as per 40 CFR 60.105(e)(3)(ii). Subpart J. [40 CFR 60.104(a)(1), 40 CFR 60.105(e)(3)(ii)]
- 697 [40 CFR 60.105(a)(4)]
 Which Months: All Year Statistical Basis: Three-hour rolling average
 Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H₂S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]
- 698 [40 CFR 60.106(a)]
 Which Months: All Year Statistical Basis: None specified
 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]
- 699 [40 CFR 60.106]
 Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J.
- 700 [40 CFR 60.40b(c)]
 Compliance with the requirements of NSPS, 40 CFR 60.104 is considered compliance with the requirements of NSPS, 40 CFR 60.40b(c). Subpart Db. [40 CFR 60.40b(c)]
- 701 [40 CFR 60.44b(a)]
 Nitrogen oxides <= 0.20 lb/MMBTU (86 ng/J) heat input (expressed as NO₂). The nitrogen oxide standards apply at all times, including periods of startup, shutdown, or malfunction. Subpart Db. [40 CFR 60.44b(a)]
- 702 [40 CFR 60.46b(c)]
 Which Months: All Year Statistical Basis: Thirty-day rolling average
 Conduct performance testing to demonstrate compliance with the nitrogen oxides emission standards in 40 CFR 60.44b by following 40 CFR 60.46b(e) or (f), or following 40 CFR 60.46b(g) and (h), as applicable. Subpart Db. [40 CFR 60.46b(c)]
- 703 [40 CFR 60.48b(b)(1)]
 Nitrogen oxides recordkeeping by CMS continuously, except as provided in 40 CFR 60.48b(g), (h), and (i). Subpart Db. [40 CFR 60.48b(b)(1)]
- 704 [40 CFR 60.48b(c)]
 Operate NO_x continuous monitoring systems and record data during all periods of operation except for continuous monitoring system breakdowns and repairs. Record data during calibration checks, and zero and span adjustments. Subpart Db. [40 CFR 60.48b(c)]
- 705 [40 CFR 60.49b(d)]
 Fuel rate recordkeeping by electronic or hard copy daily. Record the amounts of each fuel combusted during each day and calculate the annual capacity factor individually for coal, distillate oil, residual oil, natural gas, wood, and municipal-type solid waste for the reporting period. Determine the annual capacity factor on a 12-month rolling average basis with a new annual capacity factor calculated at the end of each calendar month. Subpart Db. [40 CFR 60.49b(d)]
- 706 [40 CFR 60.49b(g)]
 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records of the information listed in 40 CFR 60.49b(g)(1) through (g)(10) for each steam generating unit operating day, except as provided under 40 CFR 60.49b(p). Subpart Db. [40 CFR 60.49b(g)]
- 707 [40 CFR 60.49b(o)]
 Maintain all records required under 40 CFR 60.49b for a period of 2 years following the date of such record. Subpart Db. [40 CFR 60.49b(o)]
- 708 [LAC 33.III.1101.B]
 Opacity <= 20 percent, except during the clearing of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
- 709 [LAC 33.III.1313.C]
 Which Months: All Year Statistical Basis: Six-minute average
 Total suspended particulate <= 0.6 lb/MMBTU of heat input.
- 710 [LAC 33.III.1503]
 Which Months: All Year Statistical Basis: None specified
 Compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart J has been determined to be compliance in accordance with LAC 33.III.Chapter 15. [LAC 33.III.1503, LAC 33.III.1513]
- 711 [LAC 33.III.2201.D.1]
 Nitrogen oxides <= 0.10 lb/MMBTU heat input in ozone season.
 Which Months: All Year Statistical Basis: Thirty-day rolling average

SPECIFIC REQUIREMENTS

AI ID: 2366 - Placid Refining Co LLC - Port Allen Refinery
 Activity Number: PER20080002
 Permit Number: 3120-00012-V6
 Air - Title V Regular Permit Major Mod

EQT0083 4-08, No. 3 Boiler

- 712 [LAC 33:III.2201.D] Nitrogen oxides monitored by technically sound method continuously.
 Which Months: May-Sep Statistical Basis: Thirty-day rolling average
 Operate the process heater/furnace within the fuel and oxygen limits established during the initial compliance run and in accordance with LAC 33:III.2201.G. [LAC 33:III.2201.G, LAC 33:III.2201.H.1.a.iii]
- 713 [LAC 33:III.2201.G] Fuel monitored by totalizer continuously. Monitor fuel usage with a totalizing fuel meter.
 Which Months: May-Sep Statistical Basis: None specified
- 714 [LAC 33:III.2201.H.1.a.i] Oxygen monitored by the regulation's specified method(s) continuously. Monitor oxygen concentration with an oxygen monitor.
 Which Months: May-Sep Statistical Basis: None specified
- 715 [LAC 33:III.2201.H.2.a.ii] Submit Notification: Due at least 30 days prior to any compliance testing conducted under LAC 33:III.2201.G and any CEMS or PEMS performance evaluation conducted under LAC 33:III.2201.H in order to give DEQ an opportunity to conduct a pretest meeting and observe the emission testing.
- 716 [LAC 33:III.2201.I.1] Submit test results: Due within 60 days after completing the emission testing required in LAC 33:III.2201.I.1.
 Submit report: Due within 90 days of the end of each quarter for any noncompliance of the applicable emission limitations of LAC 33:III.2201.D or E. Include the information specified in LAC 33:III.2201.1.2.a through 1.2.d.
- 717 [LAC 33:III.2201.I.1] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records of the information specified in LAC 33:III.2201.I.3 and I.4 as applicable.
- 718 [LAC 33:III.2201.I.2] Conduct a performance/emissions test: Conduct the stack test within 180 days after the receipt of the initial Part 70 permit. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment. As required by LAC 33:III.91.3, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- 719 [LAC 33:III.2201.I] Submit notification: Due at least 30 days prior to performance/emissions test to the Office of Environmental Assessment to provide the opportunity to conduct a pretest meeting and observe the emission testing.
- 720 [LAC 33:III.507.H.1.a] Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment.
- 721 [LAC 33:III.507.H.1.a]
- 722 [LAC 33:III.507.H.1.a]

EQT0084 5-08, Sulfur Recovery Unit Incinerator No. 2

- 723 [40 CFR 60.104(a)(2)(i)] Sulfur dioxide <= 250 ppmv @ 0% excess air (dry basis). Subpart J. [40 CFR 60.104(a)(2)(i)]
 Which Months: All Year Statistical Basis: 12-hour rolling average
 Sulfur dioxide monitored by continuous emission monitor (CEM) continuously. Include an oxygen monitor for correcting the data for excess air.
- 724 [40 CFR 60.105(a)(5)] Subpart J. [40 CFR 60.105(a)(5)]
 Which Months: All Year Statistical Basis: None specified
 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]
 Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J.
 Submit exceedance report: Due semiannually, except as specified in 40 CFR 60.107(d). Include the information specified in 40 CFR 60.107(c)(6) and in accordance with 40 CFR 107(d). Subpart J. [40 CFR 60.107(c), 40 CFR 60.107(d), 40 CFR 60.107(e)]

SPECIFIC REQUIREMENTS

AI ID: 2366 - Placid Refining Co LLC - Port Allen Refinery

Activity Number: PER20080002

Permit Number: 3120-00012-V6

Air - Title V Regular Permit Major Mod

EQT0084 5-08, Sulfur Recovery Unit Incinerator No. 2

Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: Six-minute average

Opacity, <= 20 percent, except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: Six-minute average
Compliance with all the applicable requirements of NSPS, 40 CFR 60.104 has been determined to be compliance in accordance with LAC 33:III.1511.

EQT0085 6-08, Charge Heater No. 2

Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm). Shall report all exceedances as per 40 CFR 60.105(e)(3)(ii). Subpart J [40 CFR 60.104(a)(1), 40 CFR 60.105(e)(3)(ii)]

Which Months: All Year Statistical Basis: Three-hour rolling average
Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H₂S in fuel gases before being burned in any fuel gas combustion device. Subpart J [40 CFR 60.105(a)(4)]

Which Months: All Year Statistical Basis: None specified
Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J [40 CFR 60.106(a)]

Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J.

Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: Six-minute average
Total suspended particulate <= 0.6 lb/MMBTU of heat input.

Which Months: All Year Statistical Basis: None specified
Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request.

Nitrogen oxides <= 0.18 lb/MMBTU
Which Months: May-Sep Statistical Basis: Thirty-day rolling average

Nitrogen oxides monitored by technically sound method continuously.

Which Months: May-Sep Statistical Basis: Thirty-day rolling average
Operate the process heater/furnace within the fuel and oxygen limits established during the initial compliance run and in accordance with LAC 33:III.2201.G. [LAC 33:III.2201.G, LAC 33:III.2201.H.2.a.iii]

Fuel monitored by totalizer continuously. Monitor fuel usage with a totalizing fuel meter.
Which Months: May-Sep Statistical Basis: None specified

728 [LAC 33:III.1101.B]
729 [LAC 33:III.1311.C]
730 [LAC 33:III.1511.A]

731 [40 CFR 60.104(a)(1)]

732 [40 CFR 60.105(a)(4)]

733 [40 CFR 60.106(a)]

734 [40 CFR 60.106]

735 [LAC 33:III.1101.B]

736 [LAC 33:III.1313.C]

737 [LAC 33:III.1513]

738 [LAC 33:III.2201.D.1]

739 [LAC 33:III.2201.D]

740 [LAC 33:III.2201.G]

741 [LAC 33:III.2201.H.2.a.i]

SPECIFIC REQUIREMENTS

AI ID: 2366 - Placid Refining Co LLC - Port Allen Refinery
Activity Number: PER0080002
Permit Number: 3120-00012-V6
Air - Title V Regular Permit Major Mod

EQT0085 6-08, Charge Heater No. 2

742 [LAC 33:III.2201.H.2.a.ii]

Oxygen monitored by the regulation's specified method(s) continuously. Monitor oxygen concentration with an oxygen monitor.

Which Months: May-Sep Statistical Basis: None specified

Submit Notification: Due at least 30 days prior to any compliance testing conducted under LAC 33:III.2201.G and any CEMS or PEMS performance evaluation conducted under LAC 33:III.2201.H in order to conduct a pretest meeting and observe the emission testing.

Submit test results: Due within 60 days after completing the emission testing required in LAC 33:III.2201.I.1.

Submit report: Due within 90 days of the end of each quarter for any noncompliance of the applicable emission limitations of LAC 33:III.2201.D or E. Include the information specified in LAC 33:III.2201.I.2.a through I.2.d.

Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records of the information specified in LAC 33:III.2201.I.3 and I.4 as applicable.

EQT0086 7-08, No. 2 Flare Stack

747 [40 CFR 60.102(a)(1)(ii)]

Fuel gas: Limit Hydrogen sulfide <= 162 ppm determined hourly on a 3-hour rolling average and H₂S <= 60 ppmv determined daily on a 365-day rolling average. Subpart Ja. [40 CFR 60.102(a)(1)(ii)]

Which Months: All Year Statistical Basis: Three-hour rolling average

Flow rate <= 250 Mscf/day. Shall not allow flow during normal operations of more than 250,000 scf/day on a thirty day rolling average. Subpart Ja. [40 CFR 60.102(a)(3)]

Which Months: All Year Statistical Basis: Thirty-day rolling average

Shall comply with all the applicable requirements of NSPS, 40 CFR 60, Subpart Ja. [40 CFR 60.102(a)(h and i), 40 CFR 60.107(d and e)]

Shall develop and implement a written flare management plan within one year of the flare being an affected source subject to NSPS, 40 CFR 60, Subpart Ja. Subpart Ja. [40 CFR 60.103(a)]

Shall determine compliance with the NO_x emissions limits in NSPS, 40 CFR 60.102(a)(g). [40 CFR 60.104a(i)]Shall determine compliance with the H₂S emissions limits in NSPS, 40 CFR 60.102a(g). [40 CFR 60.104a(j)]

Shall install, operate, calibrate, and maintain CPMS according to the manufacturer's specifications and requirements to measure and record the exhaust gas flow rate. Subpart Ja.

Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H₂S in fuel gases before being burned in any fuel gas combustion device. Subpart Ja. [40 CFR 60.107a(a)(2)]

Which Months: All Year Statistical Basis: None specified Opacity <= 20 percent, except for a combined total of six hours in any 10 consecutive day period, for burning in connection with pressure valve releases for control over process upsets.

Which Months: All Year Statistical Basis: None specified

Submit notification: Due to the Office of Environmental Compliance as soon as possible after the start of burning of pressure valve releases for control over process upsets. Notify by telephone at (225) 763-3908 during office hours; (225) 342-1234 after hours, weekends, and holidays; or by e-mail utilizing the Incident Report Form and procedures found at www.deq.state.la.us/surveillance. Notification is required only if the upset cannot be controlled in six hours.

SPECIFIC REQUIREMENTS

AI ID: 2366 - Placid Refining Co LLC - Port Allen Refinery

Activity Number: PER2008002

Permit Number: 3120-00012-Y6

Air - Title V Regular Permit Major Mod

EQT0086 7-08, No. 2 Flare Stack

757	[LAC 33:III.1311.C]	Opacity < 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
758	[LAC 33:III.1503]	Which Months: All Year Statistical Basis: Six-minute average Compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart Ja has been determined to be compliance in accordance with LAC 33:III.1 Chapter 15. [LAC 33:III.1503, LAC 33:III.1513] Nonhalogenated hydrocarbon burning: Temperature \geq 1300 F (704 degrees C) for 0.3 second or greater in a direct-flame afterburner or an equally effective device which achieves a removal efficiency of 95 percent or greater, as determined in accordance with LAC 33:III.2115.J.1, or if emissions are reduced to 50 ppm by volume, whichever is less stringent.
759	[LAC 33:III.2115.A]	Which Months: All Year Statistical Basis: None specified Determine compliance with LAC 33:III.2115.A through G by applying the test methods specified in LAC 33:III.2115.I.1 through 5, as appropriate.
760	[LAC 33:III.2115.I]	Install and maintain monitors to accurately measure and record operational parameters of all required control devices as necessary to ensure proper functioning of those devices in accordance with design specifications. Monitor and record at a minimum the parameters listed in LAC 33:III.2115.J.2.a through e.
761	[LAC 33:III.2115.J.2]	Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain the records specified in LAC 33:III.2115.K.1 through K.3. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request.
762	[LAC 33:III.2115.K]	Develop a corrective action plan for re-lighting the flare. Plan must be kept readily available for immediate implementation in the event the flare needs to be re-lit.
763	[LAC 33:III.501.C.6]	Flare gas: Heat content $>$ 300 BTU/scf, to ensure destruction of emissions to the flare stack.
764	[LAC 33:III.501.C.6]	Which Months: All Year Statistical Basis: None specified
765	[LAC 33:III.501.C.6]	Presence of a flame monitored by visual inspection/determination daily.
766	[LAC 33:III.501.C.6]	Which Months: All Year Statistical Basis: None specified Presence of a flame recordkeeping by electronic or hard copy daily.

EQT0087 8-08, Carbon Adsorption System

767	[40 CFR 63.11092]	Shall comply with all the applicable testing and monitoring requirements in accordance with NESHAP, 40 CFR 63, Subpart BBBB.BB.
768	[40 CFR 64.4]	Compliance with all the applicable requirements for monitoring, recordkeeping, and reporting in accordance with LAC 33:III.2103.E.1; LAC 2108.C; and NESHAP, 40 CFR 63, Subpart BBBB.BB along with the conditions below has been determined to be compliance with all the applicable requirements of Compliance Assurance Monitoring (CAM): 1) Monitor and record the exit VOC concentration of the Carbon Adsorption System daily; 2) Maintain the exit VOC concentration of the Carbon Adsorption System so that a reduction of 90% by weight or greater is achieved; 3) Mitigating actions shall be taken if these requirements are not met. [40 CFR 64.5, 40 CFR 64.4] VOC, Total \geq 95 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year.
769	[LAC 33:III.2103.E.1]	Which Months: All Year Statistical Basis: None specified
770	[LAC 33:III.2103.I]	Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.

SPECIFIC REQUIREMENTS

AI ID: 2366 - Placid Refining Co LLC - Port Allen Refinery
 Activity Number: PER20080002
 Permit Number: 3120-00012-V6
 Air - Title V Regular Permit Major Mod

EQT0087 8-08, Carbon Adsorption System

- Equip with a vapor collection system designed to collect the organic compounds vapors displaced from ships and/or barges during loading.
- Barge loading of gasoline: Total Organic Compounds (TOC) <= 70 mg/l of VOC loaded (0.6 lb/1000 gal).
- Which Months: All Year Statistical Basis: None specified
- Barge loading of crude oil or other VOCs: Total Organic Compounds (TOC) <= 30 mg/l of VOC loaded (0.25 lb/1000 gal).
- Which Months: All Year Statistical Basis: None specified
- Ship loading of gasoline: Total Organic Compounds (TOC) <= 30 mg/l of VOC loaded (0.25 lb/1000 gal).
- Which Months: All Year Statistical Basis: None specified
- Ship loading of crude oil or other VOCs: Total Organic Compounds (TOC) <= 12 mg/l of VOC loaded (0.1 lb/1000 gal).
- Which Months: All Year Statistical Basis: None specified
- Load only into ships and/or barges equipped with vapor collection equipment that is compatible with the affected facility's vapor collection system.
- Properly connect the vapor collection and disposal system to the ships and/or barges before any loading is done.
- Determine compliance with LAC 33:III.2108.C.3 using the methods in LAC 33:III.2108.E.1-5, as appropriate.
- Submit test results: Due to the Office of Environmental Assessment within 45 days of any testing done in accordance with LAC 33:III.2108.E.
- Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2108.F.2.a-e, as applicable.
- Loading gasoline, crude oil or other VOCs into ships or barges is prohibited unless all loading and vapor lines, arms and hoses are equipped with fittings which make vapor-tight connections and provide tight shut-off when disconnected.
- Prevent spills or leaks during attachment or disconnection of filling lines, hoses or arms. Do not spill liquids or handle in any other manner that would result in evaporation to the atmosphere.
- Maintain all equipment associated with the loading of gasoline, crude oil or other VOC into ships or barges to be leak-free, gas-tight and in good working order.
- Do not load gasoline into any tank trucks or trailers from any bulk gasoline terminal unless the conditions in LAC 33:III.2135.B.1.a through B.1.d are met.
- VOC, Total <= 80 mg/l (4.7 grains/gallon or 0.67 lb/1000 gallons) of gasoline loaded.
- Which Months: All Year Statistical Basis: None specified
- Do not allow gasoline to be discarded in sewers or stored in open containers or handled in any manner that would result in evaporation.
- Do not allow the pressure in the vapor collection system to exceed the tank truck or trailer pressure relief settings.
- Service only those delivery trucks/transport vessels complying with LAC 33:III.2137.
- Discontinue loading or unloading through affected transfer lines immediately when a leak is observed. Do not resume loading or unloading until the observed leak is repaired.
- Presence of a leak monitored by visual, audible, and/or olfactory during loading. Inspect for visible liquid leaks, visible fumes, or odors resulting from gasoline dispensing operations.
- Which Months: All Year Statistical Basis: None specified
- Determine compliance with LAC 33:III.2135 using the test methods and procedures specified in LAC 33:III.2135.D.1 through D.6.
- Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2135.E.1 through E.5, as applicable.

SPECIFIC REQUIREMENTS

AI ID: 2366 - Placid Refining Co LLC - Port Allen Refinery
 Activity Number: PER20080002
 Permit Number: 3120-00012-V6
 Air - Title V Regular Permit Major Mod

EQT0087 8-08, Carbon Adsorption System

- Tank Trucks: Ensure that gasoline tank trucks and their vapor collection systems do not sustain a pressure change of more than 3 inches of water (0.75 kPa) in five minutes when pressurized to 18 inches of water (4.5 kPa) or evacuated to 6 inches of water (1.5 kPa) using Test Method 27 (40 CFR Part 60, Appendix A) for determination of vapor tightness of gasoline delivery tanks using pressure-vacuum test.
- Tank Trucks: Ensure that each tank truck has a sticker displayed on each tank indicating the identification number of the tank and the date each tank last passed the pressure and vacuum test described in LAC 33:III.2137.A.1. Certify each tank annually and display the sticker near the Department of Transportation certification plate. Make any repairs necessary to pass the specified requirements within 15 days of failure.
- Vapor Collection Systems: Ensure that loading and unloading operations at gasoline terminals do not produce a reading equal to or greater than 100% of the lower explosive limit (LEL, measured as propane) at 2.5 centimeters around the perimeter of a potential leak source as detected by a combustible gas detector using Test Method 21 (40 CFR Part 60, Appendix A) for determination of volatile organic compound leaks.
- Vapor Collection Systems: Ensure that the vapor collection and processing equipment is designed and operated to prevent tank truck gauge pressure from exceeding 18 inches of water (4.5 kPa) and prevent vacuum from exceeding 6 inches of water (1.5 kPa).
- Vapor Collection Systems: Equipment/operational data monitored by technically sound method annually. Make any repairs necessary to pass the specified requirements within 15 days of failure, if an inspection is failed.
- Which Months: All Year Statistical Basis: None specified
- Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records at the facility for at least two years indicating the last time the vapor collection facility passed the requirements specified in LAC 33:III.2137.B.1. Also, during the annual test procedure, record items which required repair in order to pass the specified requirements.
- Conduct a performance/emissions test: Due within 180 days after initial startup (or restart-up after modification), or within 60 days after achieving normal production rate or end of the shakedown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources and Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits and control efficiency.
- Submit notification: Due at least 30 days prior to performance/emissions test to the Office of Environmental Assessment to provide the opportunity to conduct a pretest meeting and observe the emission testing.
- Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment.

EQT0088 9-08, Tank No. 29

- Except for automatic bleeder vents and rim space vents, each opening in a noncontact external floating roof shall provide a projection below the liquid surface. Except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves, equip each opening in the roof with a gasketed cover, seal, or lid and maintain in a closed position at all times (i.e., no visible gap) except when the device is in actual use. Close automatic bleeder vents at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Set rim vents to open when the roof is being floated off the roof legs supports or at the manufacturer's recommended setting. Equip automatic bleeder vents and rim space vents with gaskets. Provide each emergency roof drain with a slotted membrane fabric cover that covers at least 90 percent of the area of the opening. Subpart Kb. [40 CFR 60.112b(a)(2)(ii)]

SPECIFIC REQUIREMENTS**AI ID: 2366 - Placid Refining Co LLC - Port Allen Refinery****Activity Number: PER20080002****Permit Number: 3120-00012-V6****Air - Title V Regular Permit Major Mod****EQT0088 9-08, Tank No. 29**

- 803 [40 CFR 60.112b(a)(2)] Equip with an external floating roof consisting of a pontoon-type or double-deck type cover that rests on the liquid surface in a vessel with no fixed roof. Equip with a closure device between the wall of the storage vessel and the roof edge. The closure device consists of two seals, secondary above the primary. The primary seal shall be either a mechanical shoe seal or a liquid-mounted seal. Except as provided in 40 CFR 60.113b(b)(4), the primary seal shall completely cover the annular space between the edge of the floating roof and tank wall. The secondary seal shall completely cover the annular space between the external floating roof and the wall of the storage vessel in a continuous fashion except as allowed in 40 CFR 60.113b(b)(4). The roof shall be floating on the liquid at all times (i.e., off the roof leg supports) except during initial fill until the roof is lifted off leg supports and when the tank is completely emptied and subsequently refilled. The process of filling, emptying, or refilling, when the roof is resting on the leg supports shall be continuous and shall be accomplished as rapidly as possible. Subpart Kb. [40 CFR 60.112b(a)(2)]
- Seal gap area & width monitored by measurement at the regulation's specified frequency. Using the procedures in 40 CFR 60.113b(b)(2) determine the gap areas and maximum gap widths between the primary seal and the wall of the storage vessel during the hydrostatic testing of the vessel or within 60 days of the initial fill with VOL and at least once every 5 years thereafter. Subpart Kb. [40 CFR 60.113b(b)(1)(i)]
- Which Months: All Year Statistical Basis: None specified
- Seal gap area & width monitored by measurement at the regulation's specified frequency. Using the procedures in 40 CFR 60.113b(b)(2) determine the gap areas and maximum gap widths between the secondary seal and the wall of the storage vessel within 60 days of the initial fill with VOL and at least once per year thereafter. Subpart Kb. [40 CFR 60.113b(b)(1)(ii)]
- Which Months: All Year Statistical Basis: None specified
- Add the gap surface area of each gap location for the primary seal and the secondary seal individually and divide the sum for each seal by the nominal diameter of the tank and compare each ratio to the respective standards in 40 CFR 60.113b(b)(4). Subpart Kb. [40 CFR 60.113b(b)(3)] One end of the mechanical shoe is to extend into the stored liquid, and the other end is to extend a minimum vertical distance of 61 cm above the stored liquid surface. Subpart Kb. [40 CFR 60.113b(b)(4)(i)(A)]
- There are to be no holes, tears, or other openings in the shoe, primary seal fabric, or seal envelope. Subpart Kb. [40 CFR 60.113b(b)(4)(i)(B)]
- Seal gap area $\leq 212 \text{ cm}^2/\text{m}$ of tank diameter (accumulated area) for gaps between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(i)].
- Which Months: All Year Statistical Basis: None specified
- Seal gap width $\leq 3.81 \text{ cm}$ for the width of any portion of any gap between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(i)]
- Which Months: All Year Statistical Basis: None specified
- Install the secondary seal above the primary seal so that it completely covers the space between the roof edge and the tank wall except as provided in 60.113b(b)(2)(iii). Subpart Kb. [40 CFR 60.113b(b)(4)(iii)(A)]
- Seal gap area $\leq 21.2 \text{ cm}^2/\text{m}$ of tank diameter (accumulated area) for gaps between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(B)]
- Which Months: All Year Statistical Basis: None specified
- Seal gap width $\leq 1.27 \text{ cm}$ for the width of any portion of any gap between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(B)]
- Which Months: All Year Statistical Basis: None specified
- There are to be no holes, tears, or other openings in the secondary seal or seal fabric. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(C)]

SPECIFIC REQUIREMENTS

AI ID: 2366 - Placid Refining Co LLC - Port Allen Refinery
Activity Number: PER20080002
Permit Number: 3120-00012-V6
Air - Title V Regular Permit Major Mod

EQT0088 9-08, Tank No. 29

- Make necessary repairs or empty the storage vessel within 45 days of identification in any inspection for seals not meeting the requirements listed in 40 CFR 60.113b(b)(4) (i) and (ii) except as specified in 40 CFR 60.113b(b)(4)(iii). Subpart Kb. [40 CFR 60.113b(b)(4)]
- Submit notification: Due at least 30 days in advance of any gap measurements required by 40 CFR 60.113b(b)(1) to afford DEQ the opportunity to have an observer present. Subpart Kb. [40 CFR 60.113b(b)(5)]
- If the external floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, repair the items as necessary so that none of the conditions specified in this paragraph exist before filling or refilling the storage vessel with VOL. Subpart Kb. [40 CFR 60.113b(b)(6)(i)]
- Submit notification in writing: Due at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by 40 CFR 60.113b(b)(6) to afford DEQ an opportunity to inspect the storage vessel prior to refilling. If the inspection required by paragraph 40 CFR 60.113b(b)(6) is not planned and the owner or operator could not have known about the inspection 30 days in advance or refilling the tank, notify DEQ at least 7 days prior to the refilling of the storage vessel. Notify by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, submit notification in writing including the written documentation and send by express mail so that it is received by DEQ at least 7 days prior to the refilling. Subpart Kb. [40 CFR 60.113b(b)(6)(ii)]
- Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. Inspect the external floating roof, the primary seal, the secondary seal, and fittings each time the storage vessel is emptied and degassed. Subpart Kb. [40 CFR 60.113b(b)(6)]
- Which Months: All Year Statistical Basis: None specified
- Submit a report: Due to DEQ as an attachment to the notification required by 40 CFR 60.7(a)(3). This report shall describe the control equipment and certify that the control equipment meets the specifications of 40 CFR 60.112b(a)(2) and 60.113b(b)(2), (b)(3), and (b)(4). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(1)]
- Submit a report: Due to DEQ within 60 days of performing the seal gap measurements required by 40 CFR 60.113b(b)(1). The report shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.113b(b)(2) and (b)(3). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(2)]
- Gap measurement(s) recordkeeping by electronic or hard copy upon each occurrence of gap measurement performance, as required by 40 CFR 60.113b(b). Each record shall identify the storage vessel in which the measurement was performed and shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.113b(b)(2) and (b)(3). Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.115b(b)(3)]
- Submit a report: Due to DEQ within 30 days after each seal gap measurement that detects gaps exceeding the limitations specified by 40 CFR 60.113b(b)(4). The report will identify the vessel and contain the information specified in 40 CFR 60.115b(b)(2) and the date the vessel was emptied or the repairs made and date of repair. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(4)]
- Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. Keep copies of all records for the life of the source as specified by 40 CFR 60.116b(a). Subpart Kb. [40 CFR 60.116b(b)]
- VOL storage data recordkeeping by electronic or hard copy at the approved frequency. Records consist of the VOL stored, the period of storage. Subpart Kb. [40 CFR 60.116b(c)]
- Equip with a submerged fill pipe.
- Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric.

SPECIFIC REQUIREMENTS

AI ID: 2366 - Placid Refining Co LLC - Port Allen Refinery
 Activity Number: PER20080002
 Permit Number: 3120-00012-V6
 Air - Title V Regular Permit Major Mod

EQT0088 9-08, Tank No. 29

- 828 [LAC 33:III.2103.D.2.b] Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall.
- 829 [LAC 33:III.2103.D.2.c] Seal gap area <= 1 in²/ft of tank diameter (6.5 cm²/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
- 830 [LAC 33:III.2103.D.2.d] Which Months: All Year Statistical Basis: None specified Seal gap area <= 10 in²/ft of tank diameter (65 cm²/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
- 831 [LAC 33:III.2103.D.2.e] Which Months: All Year Statistical Basis: None specified Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2.
- 832 [LAC 33:III.2103.D.2.e] Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts.
- 833 [LAC 33:III.2103.D.2.e] Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs.
- 834 [LAC 33:III.2103.D.2.e] Which Months: All Year Statistical Basis: None specified Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.
- 835 [LAC 33:III.2103.D.2.e] Which Months: All Year Statistical Basis: None specified Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs.
- 836 [LAC 33:III.2103.D.3] Which Months: All Year Statistical Basis: None specified Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets.
- 837 [LAC 33:III.2103.D.3] Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off or landed on the roof leg supports. Set rim vents to open when the roof is being floated off the roof/leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening.
- 838 [LAC 33:III.2103.D.4.a] Control nonslotted guide poles and stilling wells using pole wipers and gasketing between the well and sliding cover. Control slotted guide poles using a float with wiper, pole wiper, and gasketing between the well and sliding cover.
- 839 [LAC 33:III.2103.D.4.a] Submit notification: Due to the Office of Environmental Assessment prior to installation of guide poles and stilling well systems. Submit a description of the method of control and supporting calculations based upon the Addendum to American Petroleum Institute Publication Number 2517 Evaporative Loss from External Floating Roof Tanks, May 1994, for approval.
- 840 [LAC 33:III.2103.D.4.d] Equipment/operational data monitored by visual inspection/determination semiannually. Inspect control systems required by LAC 33:III.2103.D.4 for rips, tears, visible gaps in the pole or float wiper, and/or missing sliding cover gaskets.
- 841 [LAC 33:III.2103.D.4.d] Which Months: All Year Statistical Basis: None specified Initiate repairs of any rips, tears, visible gaps in the pole or float wiper, and/or missing sliding cover gaskets by ordering appropriate parts within seven working days after defect is identified, to avoid noncompliance with LAC 33:III.2.103.D.4. Complete repairs within three months of the ordering of the repair parts.

SPECIFIC REQUIREMENTS

AI ID: 2366 - Placid Refining Co LLC - Port Allen Refinery
Activity Number: PER20080002
Permit Number: 3120-00012-V6
Air - Title V Regular Permit Major Mod

EQT0088 9-08, Tank No. 29		Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1 and b.
842 [LAC 33:III.2103.D]		Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall.
843 [LAC 33:III.2103.D]		Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1.
844 [LAC 33:III.2103.H.1]		Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a.c.
845 [LAC 33:III.2103.H.3]		Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.1.1 - 7, as applicable.
846 [LAC 33:III.2103.1]		

EQT0089 10-08, Tank No. 30

847 [LAC 33:III.501.C.6]

Emissions controlled by the existing Enclosed Vapor Combustor, Emission Point 1-91.

EUG0001 1-81, Fugitive Emissions

848 [40 CFR 60.592(a)]	Comply with the requirements of 40 CFR 60.482-1a to 482-10a as soon as practicable, but no later than 180 days after initial startup. Subpart GGGa. [40 CFR 60.592(a)]
849 [40 CFR 60.592(a)(d)]	Comply with the provisions of 40 CFR 60.485a except as provided in 40 CFR 60.593a. Subpart GGGa. [40 CFR 60.592a(d)]
850 [40 CFR 60.592(a)(e)]	Comply with the provisions of 40 CFR 60.486a and 60.487a. Subpart GGGa. [40 CFR 60.592a(e)]
851 [40 CFR 63.11089]	Shall perform a monthly leak inspection of all equipment in gasoline service. Maintain a log book which shall contain a list, summary description, or diagrams showing the location of all the equipment in gasoline service. The log book shall also contain a record all the leaks detected and mitigation action undertaken. Subpart BBBB.B. [40 CFR 63.11089, 40 CFR 63.11094]
852 [40 CFR 63.11093]	Shall comply with all the applicable requirements of Notification, Records, and Reports in accordance with NESHAP, 40 CFR 63, Subpart BBBB.B. Subpart BBBB.B. [40 CFR 63.11093, 40 CFR 63.11095]
853 [LAC 33:III.2122.C.1.c]	Repair according to LAC 33:III.2122.C.3 any regulated component observed leaking by sight, sound, or smell, regardless of the leak's concentration, except those covered under LAC 33:III.2122.C.1.d.
854 [LAC 33:III.2122.C.1.d]	Pumps and valves in heavy liquid service: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 within 5 days if observed leaking by sight, sound, or smell. Repair according to LAC 33:III.2122.C.3 if the pump or valve is determined to be leaking in excess of the applicable limits given in LAC 33:III.2122.
855 [LAC 33:III.2122.C.2]	Which Months: All Year Statistical Basis: None specified Do not locate any valve, except safety pressure relief valves, at the end of a pipe or line containing volatile organic compounds unless the end of such line is sealed with a second valve, a blind flange, a plug, or a cap. Remove such sealing devices only when the line is in use, for example, when a sample is being taken. When the line has been used and is subsequently resealed, close the upstream valve first, followed by the sealing device.
856 [LAC 33:III.2122.C.3]	Make every reasonable effort to repair a leaking component, as described in LAC 33:III.2122, within 15 days, except as provided.
857 [LAC 33:III.2122.C.4]	Determine the percent of leaking components at a process unit for a test period using the equation in LAC 33:III.2122.C.4.

SPECIFIC REQUIREMENTS

AI ID: 2366 - Placid Refining Co LLC - Port Allen Refinery
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Air - Title V Regular Permit Major Mod

FUG0001 1-81, Fugitive Emissions

- 858 [LAC 33:III.2|22.D.1.c.5] Determine the total percent of leaking and unrepairable components using the equation in LAC 33:III.2|22.C.5.
- 859 [LAC 33:III.2|22.D.1.a] Process drains: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 annually (one time per year). If a reading of 1,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2|22.C.3.
- 860 [LAC 33:III.2|22.D.1.b.i] Which Months: All Year Statistical Basis: None specified Compressor seals: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 quarterly (four times a year). If a reading of 5,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2|22.C.3.
- 861 [LAC 33:III.2|22.D.1.b.ii] Which Months: All Year Statistical Basis: None specified Pressure relief valves in gas service: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 quarterly (four times a year). If a reading of 1,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2|22.C.3.
- 862 [LAC 33:III.2|22.D.1.b.iii] Which Months: All Year Statistical Basis: None specified Valves in liquid service: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 quarterly (four times a year). If a reading of 1,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2|22.C.3. Permittee may elect to comply with the alternate standards for valves in LAC 33:III.2|22.E (skip period provisions).
- 863 [LAC 33:III.2|22.D.1.b.iv] Which Months: All Year Statistical Basis: None specified Pumps in liquid service: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 quarterly (four times a year). If a reading of 1,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2|22.C.3.
- 864 [LAC 33:III.2|22.D.1.b.v] Which Months: All Year Statistical Basis: None specified Valves in gas service: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 quarterly (four times a year). If a reading of 1,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2|22.C.3. Permittee may elect to comply with the alternate standards for valves in LAC 33:III.2|22.E (skip period provisions).
- 865 [LAC 33:III.2|22.D.1.c] Pumps: Seal or closure mechanism monitored by visual inspection/determination weekly (52 times a year). Which Months: All Year Statistical Basis: None specified
- 866 [LAC 33:III.2|22.D.1.d] Flanges: Presence of a leak monitored by visual, audible, and/or olfactory weekly. Which Months: All Year Statistical Basis: None specified
- 867 [LAC 33:III.2|22.D.1.f] Records of the visual, audible, and olfactory inspections of connectors and instrumentation systems are not required unless a leak is detected. Which Months: All Year Statistical Basis: None specified
- 868 [LAC 33:III.2|22.D.3.a] Pressure relief valves: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 within 24 hours after venting to the atmosphere. If a reading of 1,000 ppmv or greater (for petroleum refineries, SOCMI, MTBE, and polymer manufacturing industry) or 2,500 ppmv or greater (for natural gas processing plants) is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2|22.C.3.
- 869 [LAC 33:III.2|22.D.3.b] Which Months: All Year Statistical Basis: None specified All components: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 upon each occurrence of a leak detected by sight, smell, or sound, unless electing to implement actions as specified in LAC 33:III.2|22.C.3.
- 870 [LAC 33:III.2|22.D.3.c] Which Months: All Year Statistical Basis: None specified Inaccessible valves: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 annually (at a minimum).
- 871 [LAC 33:III.2|22.D.3.d] Which Months: All Year Statistical Basis: None specified Unsafe-to-monitor valves: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 upon each occurrence of conditions allowing these valves to be monitored safely. Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 2366 - Placid Refining Co LLC - Port Allen Refinery

Activity Number: PER20080002

Permit Number: 3120-00012-V6

Air - Title V Regular Permit Major Mod

FUG0001 1-81, Fugitive Emissions

872 [LAC 33:III.2122.F.1]

When a component which has a leak that cannot be repaired, as described in LAC 33:III.2122.C, is located, affix to the leaking component a weatherproof and readily visible tag bearing an identification number and the date the leak is located. Remove the tag after the leak has been repaired.

Equipment/operational data recordkeeping by survey log upon each occurrence of a leak. Include the leaking component information specified in LAC 33:III.2122.F.2 through j. Retain the survey log for two years after the latter date specified in LAC 33:III.2122.F.2 and make said log available to DEQ upon request.

Submit report: Due semiannually, by the 31st of January and July, to the Office of Environmental Assessment. Include the information specified in LAC 33:III.2122.G.1 through 6 for each calendar quarter during the reporting period.

GRP0012 11-08, Sulfur Recovery Unit Incinerator CAP

Group Members: EQT0029 EQT0084

875 [LAC 33:III.501.C.6]

Permittee shall continuously monitor the heat input to the SRU Incinerators referenced in this specific condition. Based on the monitored heat input and individual emission factors for each SRU Incinerator the permittee shall calculate emissions for each SRU Incinerator. The total heat input to all the SRU Incinerators shall not exceed 6,40 MM BTU/hr (High Heating Value annual average) and the total calculated emissions from all the SRU Incinerator shall not exceed PM10, 6.78 tons per year (TPY); SO₂, 37.19 TPY; NO_x, 1.40 TPY; CO, 2.31 TPY; and VOC, 0.02 TPY. Emissions from the thermal oxidizers shall be reported under an emission cap, Emission Point 11-08. The total heat input and the calculated emissions of the individual SRU Incinerator shall be recorded each month, as well as the heat input and the total calculated emissions for all the SRU Incinerator for the last twelve months. These records shall be kept on site and available for inspection by the Department of Environmental Quality Personnel. Total heat input and the calculated emissions from the SRU Incinerators above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. A report showing the heat input of each SRU Incinerator and the overall total heat input and the emissions shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding calendar year.

Emission Points 6-77 and 5-08.

GRP0013 CO-TC, Crude Oil Tanks CAP

Group Members: EQT0031 EQT0032 EQT0035

SPECIFIC REQUIREMENTS

AI ID: 2366 - Placid Refining Co LLC - Port Allen Refinery

Activity Number: PER20080002

Permit Number: 3120-00012-Y6

Air - Title V Regular Permit Major Mod

GRP0013 CO-TC, Crude Oil Tanks CAP

876 [LAC 33:II.501.C.6]

Permittee shall show compliance with the limits of this permit by maintaining the total overall calculated VOC emissions, Emission Point CO-TC (CAP) based on the throughput of the stored material from all the tanks listed below to no more than 5.19 TPY. The overall VOC emission of the tanks shall be calculated using tank throughput and recorded each month, as well as the VOC emission calculated for all the tanks for the last twelve months and recorded each month. These records shall be kept on site and available for inspection by the Department of Environmental Quality Personnel. Total overall calculated VOC emissions from the tanks above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. A report showing the overall calculated VOC emissions shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding calendar year.

Emission Points 12-77, 13-77, and 3-82.

GRP0014 GB-TC, Gasoline Blending Tanks CAP

Group Members: EQT0021 EQT0022 EQT0023

877 [LAC 33:II.501.C.6]

Permittee shall show compliance with the limits of this permit by maintaining the total overall calculated VOC emissions, Emission Point GB-TC (CAP) based on the throughput of the stored material from all the tanks listed below to no more than 6.02 TPY. The overall VOC emission of the tanks shall be calculated using tank throughput and recorded each month, as well as the VOC emission calculated for all the tanks for the last twelve months and recorded each month. These records shall be kept on site and available for inspection by the Department of Environmental Quality Personnel. Total overall calculated VOC emissions from the tanks above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. A report showing the overall calculated VOC emissions shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding calendar year.

Emission Points 19-74, 1-75, 2-75, and 3-75.

GRP0015 GR-TC, Gaoline Rack Tanks CAP

Group Members: EQT0044 EQT0046 EQT0048 EQT0056

878 [LAC 33:II.507]

Emissions from the tanks listed below are routed to and controlled by the existing Carbon Adsorption System, Emission Point 8-08.
 Emission Points 1-96, 3-96, 5-96, and 1-97.

GRP0016 PHV-TC, Placid Heavy VOL Tanks CAP

Group Members: EQT0008 EQT0011 EQT0012 EQT0030 EQT0049 EQT0052 EQT0057 EQT0058 EQT0079 EQT0089

SPECIFIC REQUIREMENTS

AI ID: 2366 - Placid Refining Co LLC - Port Allen Refinery
Activity Number: PER20080002
Permit Number: 3120-00012-V6
Air - Title V Regular Permit Major Mod

GRP0016 PHV-TC, Placid Heavy VOL Tanks CAP

879 [LAC 33:III.507]

Emissions from the tanks listed below are routed to and controlled by the existing Enclosed Vapor Combustor, Emission Point 1-91.1.

Emission Points 10-74, 13-74, 14-74, 11-77, 8-96, 9-96, 11-96, 1-01, 2-01, 1-07, and 10-08.

GRP0017 PHV-RTC, Placid Heavy VOL Rack Tank CAP

Group Members: EQT0047 EQT0053

Emissions from the tanks listed below are routed to and controlled by the existing Carbon Adsorption System, Emission Point 8-08.□

Emission Points 4-96 and 12-96.

GRP0018 PHV-SLTC, P Heavy VOL Stop Tank CAP

Group Members: EQT0018 EQT0019

881 [LAC 33:III.501.C.6]

Permittee shall show compliance with the limits of this permit by maintaining the total overall calculated VOC emissions, Emission Point PHV-SLTC (CAP) based on the throughput of the stored material from all the tanks listed below to no more than 0.07 T/Y. The overall VOC emission of the tanks shall be calculated using tank throughput and recorded each month, as well as the VOC emission calculated for all the tanks for the last twelve months and recorded each month. These records shall be kept on site and available for inspection by the Department of Environmental Quality Personnel. Total overall calculated VOC emissions from the tanks above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. A report showing the overall calculated VOC emissions shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding calendar year.□

Emission Points 21-74 and 22-74.

GRP0019 PWRL-TC, P Mid Range Light VOL Tank CAP

Group Members: EQT0006 EQT0007 EQT0009 EQT0013 EQT0045 EQT0051 EQT0058

SPECIFIC REQUIREMENTS

AI ID: 2366 - Placid Refining Co LLC - Port Allen Refinery
 Activity Number: PER20080002
 Permit Number: 3120-00012-V6
 Air - Title V Regular Permit Major Mod

GRP0019 PMRL-TC, P Mid Range Light VOL Tank CAP

882 [LAC 33:III.501.C.6]

Permittee shall show compliance with the limits of this permit by maintaining the total overall calculated VOC emissions, Emission Point PMRL-TC (CAP) based on the throughput of the stored material from all the tanks listed below to no more than 15.35 TPY. The overall VOC emission of the tanks shall be calculated using tank throughput and recorded each month, as well as the VOC emission calculated for all the tanks for the last twelve months and recorded each month. These records shall be kept on site and available for inspection by the Department of Environmental Quality Personnel. Total overall calculated VOC emissions from the tanks above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. A report showing the overall calculated VOC emissions shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding calendar year.

Emission Points 8-74, 9-74, 11-74, 15-74, 2-96, 10-96 and 9-08

Note: Emissions from the tanks 2-96 and 10-96 are routed to and controlled by the existing Enclosed Vapor Combustor, Emission Point 1-91.

GRP0020 WWT-TC, Wastewater Tank CAP

Group Members: EQT0014 EQT0033

883 [LAC 33:III.501.C.6]

Permittee shall show compliance with the limits of this permit by maintaining the total overall calculated VOC emissions, Emission Point WWT-TC (CAP) based on the throughput of the stored material from all the tanks listed below to no more than 0.03 TPY. The overall VOC emission of the tanks shall be calculated using tank throughput and recorded each month, as well as the VOC emission calculated for all the tanks for the last twelve months and recorded each month. These records shall be kept on site and available for inspection by the Department of Environmental Quality Personnel. Total overall calculated VOC emissions from the tanks above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. A report showing the overall calculated VOC emissions shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding calendar year.

Emission Points 16-74 and 1-82.

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884 [40 CFR 60.]

885 [40 CFR 61.145(b)(1)]

886 [40 CFR 61.148]

887 [40 CFR 61.342(a)]

All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A.

Provide DEQ with written notice of intention to demolish or renovate prior to performing activities to which 40 CFR 61 Subpart M applies. Delivery of the notice by U.S. Postal Service, commercial delivery service, or hand delivery is acceptable. Subpart M. [40 CFR 61.145(b)(1)]

Do not install or reinstall on a facility component any insulating materials that contain commercial asbestos if the materials are either molded and friable or wet-applied and friable after drying. Subpart M.

The total annual benzene (TAB) is less than 10 Mg/yr. Permittee shall comply with all the applicable requirements of 40 CFR 61.342(a). Subpart FF. [40 CFR 61.342(a)]

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- 888 [40 CFR 61.355] Determine compliance with 40 CFR 61 Subpart F using the test methods and procedures specified in 40 CFR 61.355(a) through (i), as applicable. Subpart FF.
- Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records as specified in 40 CFR 61.356(a) through (n). Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF.
- 889 [40 CFR 61.357(o)] Submit report: Due annually and whenever there is a change in the process generating the waste stream that could cause the total annual benzene quantity from facility waste to increase to 10 Mg/yr (11 ton/yr) or more. Submit updates to the information specified in 40 CFR 61.357(a)(1) through (a)(3) or, if the information in 40 CFR 61.357(a)(1) through (3) is not changed in the following year, a statement to that effect. Subpart FF. [40 CFR 61.357(c)]
- All affected facilities shall comply with all applicable provisions in 40 CFR 61 Subpart A.
- Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Keep a record of the applicability determination that the source is not subject to a relevant standard or other requirement established under 40 CFR part 63 on site at the source for a period of 5 years after the determination, or until the source changes its operations to become an affected source, whichever comes first. Include an analysis (or other information) that demonstrates why the source is unaffected. Ensure that the analysis is sufficiently detailed to allow the Administrator to make a finding about the source's applicability status with regard to the relevant standard or other requirement.
- Subpart A. [40 CFR 63.10(b)(3)]
- 890 [40 CFR 61.357(o)] Submit Title V permit application for renewal: Due 6 months before permit expiration date. [40 CFR 70.5(a)(1)(iii)]
- Submit Title V monitoring results report: Due semiannually, by March 31st and September 30th for the preceding periods encompassing July through December and January through June, respectively. Submit reports to the Office of Environmental Compliance, Surveillance Division. Certify reports by a responsible company official. Clearly identify all instances of deviations from permitted monitoring requirements. For previously reported deviations, in lieu of attaching the individual deviation reports, clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. [40 CFR 70.6(a)(3)(ii)(A)]
- 891 [40 CFR 61.10(b)(3)]
- 892 [40 CFR 63.10(b)(3)]
- 893 [40 CFR 70.5(a)(1)(iii)]
- 894 [40 CFR 70.6(a)(3)(ii)(A)]
- 895 [40 CFR 70.6(a)(3)(ii)(B)]
- 896 [40 CFR 70.6(c)(5)(iv)]
- 897 [40 CFR 82 Subpart F]
- 898 [LAC 33:III.1103]
- 899 [LAC 33:III.1109.B]
- Submit Title V excess emissions report: Due quarterly, by June 30, September 30, December 31, March 31. Submit reports of all permit deviations to the Office of Environmental Compliance, Surveillance Division. Certify all reports by a responsible official in accordance with 40 CFR 70.5(d). The reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by 40 CFR 70.6(a)(3)(ii)(A), as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. [40 CFR 70.6(a)(3)(ii)(B)]
- Submit Title V compliance certification: Due annually, by the 31st of March. Submit to the Office of Environmental Compliance, Surveillance Division. [40 CFR 70.6(c)(5)(iv)]
- Comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B.
- Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111¶ or intensify an existing traffic hazard condition are prohibited.
- Outdoor burning of waste material or other combustible material is prohibited.

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- 900 [LAC 33:III.1303.B] Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited.
- Do not emit the carbon monoxide waste gas stream from any catalyst regeneration of a petroleum cracking system, petroleum fluid coker, or other petroleum process into the atmosphere unless the waste gas stream is burned in a direct flame afterburner or boiler or is controlled by other means approved by DEQ.
- Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5.
- Emissions of volatile organic compounds from petroleum refinery process unit turnarounds shall be controlled by pumping the liquid contents to storage and depressurizing the processing units to five psig (pounds per square inch gauge) or below before venting to the atmosphere. Control of the vapors during the depressurization prior to venting to atmosphere shall be accomplished by one of the applicable methods specified in LAC 33:III.2115.A, B, and F. Compliance shall be determined and records shall be kept as specified in LAC 33:III.2115.I, J, and K.
- Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance.
- Do not fire an affected point source with Number 6 Fuel Oil or perform testing of emergency and training combustion units without prior approval of DEQ on a day that is designated as an Ozone Action Day by DEQ.
- Perform NOx emissions testing for all point sources that are subject to the emission limitations of LAC 33:III.2201.D or used in one of the alternative plans of LAC 33:III.2201.E, as specified in LAC 33:III.2201.G.2 through G.7. Test results must demonstrate that actual NOx emissions are in compliance with the appropriate limits of LAC 33:III.Chapter 22. Also measure CO, SO2, PM10, and VOC if modifications could cause an increase in emissions of any of these compounds.
- Modify and/or install and bring into normal operation NOx control equipment and/or NOx monitoring systems in accordance with LAC 33:III.Chapter 22 as expeditiously as possible, but by no later than May 1, 2005, except as provided in LAC 33:III.2202.
- Complete all initial compliance testing, specified by LAC 33:III.2201.G, for equipment modified with NOx reduction controls or a NOx monitoring system to meet the provisions of LAC 33:III.Chapter 22 within 60 days of achieving normal production rate or after the end of the shake down period, but in no event later than 180 days after initial start-up, except as provided in LAC 33:III.2202.
- Complete required testing to demonstrate the performance of existing, unmodified equipment in a timely manner, but by no later than November 1, 2005, except as provided in LAC 33:III.2202.
- Comply with applicable emission factors in Table B-1 of LAC 33:III.2202.B as expeditiously as possible, but not later than two years after determination and notification by the EPA in accordance with LAC 33:III.2202.A.
- Complete required testing to demonstrate the performance of existing, unmodified equipment in a timely manner, but by no later than 30 months after determination and notification by the EPA in accordance with LAC 33:III.2202.A.
- Discharges of odorous substances at or beyond property lines which cause a perceived odor intensity of six or greater on the specified eight point butanol scale as determined by Method 41 of LAC 33:III.2901.G are prohibited.
- If requested to monitor for odor intensity, take and transport samples in a manner which minimizes alteration of the samples either by contamination or loss of material. Evaluate all samples as soon after collection as possible in accordance with the procedures set forth in LAC 33:III.2901.G.

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- 914 [LAC 33:III.501.C.6] Maintain best practical housekeeping and maintenance practices at the highest possible standards to control emissions of highly reactive volatile organic compounds (HR VOC), which include 1,3-Butadiene, Butene, cis-2-Butene, trans-2-Butene, Ethylene, Propylene.
- 915 [LAC 33:III.501.C.6] Maintain, to the extent practicable, a leak-free facility taking such steps as are necessary and reasonable to prevent leaks and to expeditiously repair leaks that occur. Update the written plan presently required by LAC 33:III.2113.A.4 within 30 days of receipt of this permit to incorporate these general duty obligations into the housekeeping procedures. The plan shall then be considered a means of emission control subject to the required use and maintenance provisions of LAC 33:III.905. Failure to develop, use, and diligently maintain the plan shall be a violation of this permit.
- 916 [LAC 33:III.501.C.6] Submit to the Office of Environmental Services, Air Permits Division a speciation of VOCs emitted for the Highly Reactive Volatile Organic Compounds (HRVOC). The speciation shall include lb/hr average, lb/hr maximum, and tons per year for each emission point for 1,3-Butadiene, Butene, cis-2-Butene, trans-2-Butene, Ethylene, Propylene, Toluene, Xylene, m/p-Xylene, and o-Xylene.
- 917 [LAC 33:III.509.R.6] Reasonable Possibility: After receiving this permit and before increasing the capacity of the facility, permittee shall document and maintain a record of the following information: 1) a description of the project; 2) a description of the review analysis (baseline actual emissions, the projected emissions, the emissions excluded due to demand growth if any), and an explanation of why the exclusion of demand growth was undertaken (if required), any netting calculations; 3) the emissions units or emission points whose emissions of the regulated pollutants could be affected by the project.
- 918 [LAC 33:III.509.R.6] Reasonable Possibility: Permittee shall monitor and calculate the CO emission from the affected equipment or units at the facility and calculate and maintain annual (calendar year) emissions record in tons per year for a period of ten years following the shutdown period of the project (increase in capacity).
- 919 [LAC 33:III.509.R.6] Reasonable Possibility: Permittee shall submit a report to the Office of Environmental Compliance, Surveillance Division, within 60 days after the the report in accordance with LAC 33:III.919.D is submitted if annual CO emissions, in tons per year, from the project exceed the baseline actual emissions by a "significant" (as defined in LAC 33:III.509.B) amount, and if such emissions differ from the preconstruction projections. This report shall contain the following: 1) the name, address, and telephone number of the major stationary source; 2) the annual emissions; and 3) any other relevant information (e.g. an explanation as to why the emissions differ from the preconstruction projection).
- 920 [LAC 33:III.5105.A.1] Do not construct or modify any stationary source subject to any standard set forth in LAC 33:III.Chapter 51.Subchapter A without first obtaining written authorization from DEQ in accordance with LAC 33:III.Chapter 51.Subchapter A, after the effective date of the standard.
- 921 [LAC 33:III.5105.A.3] Do not build, erect, install, or use any article, machine, equipment, process, or method, the use of which conceals an emission that would otherwise constitute a violation of an applicable standard.
- 922 [LAC 33:III.5105.A.4] Do not fail to keep records, notify, report or revise reports as required under LAC 33:III.Chapter 51.Subchapter A.
- 923 [LAC 33:III.5113.A.1] Submit notification in writing: Due to SPOC not more than 60 days nor less than 30 days prior to initial start-up. Submit the anticipated date of the initial start-up.
- 924 [LAC 33:III.5113.A.2] Submit notification in writing: Due to SPOC within 10 working days after the actual date of initial start-up of the source. Submit the actual date of initial start-up of the source.
- 925 [LAC 33:III.5113.C.1] Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence.

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- 926 [LAC 33:III.5113.C.7] Maintain records of monitoring data, monitoring system calibration checks, and the occurrence and duration of any period during which the monitoring system is malfunctioning or inoperative. Maintain these records at the source, or at an alternative location approved by DEQ, for a minimum of three years and make available, upon request, for inspection by DEQ.
- 927 [LAC 33:III.5151.F.1.f] An individual or company contracted to perform a demolition or renovation activity which disturbs RACM must be recognized by the Licensing Board for Contractors to perform asbestos abatement, and shall meet the requirements of LAC 33:III.5151.F.2 and F.3 for each demolition or renovation activity.
- 928 [LAC 33:III.5609.A.1.b] Activate the preplanned abatement strategy listed in LAC 33:III.5611.Table 5 when the administrative authority declares an Air Pollution Alert.
- 929 [LAC 33:III.5609.A.2.b] Activate the preplanned strategy listed in LAC 33:III.5611.Table 6 when the administrative authority declares an Air Pollution Warning.
- 930 [LAC 33:III.5609.A.3.b] Activate the preplanned abatement strategy listed in LAC 33:III.5611.Table 7 when the administrative authority declares an Air Pollution Emergency.
- 931 [LAC 33:III.5609.A] Prepare standby plans for the reduction of emissions during periods of Air Pollution Alert, Air Pollution Warning and Air Pollution Emergency. Design standby plans to reduce or eliminate emissions in accordance with the objectives as set forth in LAC 33:III.5611.Tables 5, 6, and 7. During an Air Pollution Alert, Air Pollution Warning or Air Pollution Emergency, make the standby plan available on the premises to any person authorized by the department to enforce these regulations.
- 932 [LAC 33:III.5611.B] Comply with the provisions in 40 CFR 68, except as specified in LAC 33:III.5901.
- 933 [LAC 33:III.5901.A] Identify hazards that may result from accidental releases of the substances listed in 40 CFR 68.130, Table 59.0 of LAC 33:III.5907, or Table 59.1 of LAC 33:III.5913 using appropriate hazard assessment techniques, design and maintain a safe facility, and minimize the off-site consequences of accidental releases of such substances that do occur.
- 934 [LAC 33:III.5907] Submit registration: Due January 31, 1998, or within 60 days after the source becomes subject to LAC 33:III.Chapter 59, whichever is later. Include the information listed in LAC 33:III.5911.B, and submit to the Office of Environmental Compliance.
- 935 [LAC 33:III.5911.A] Submit amended registration: Due to the Office of Environmental Compliance within 60 days after the information in the submitted registration is no longer accurate.
- 936 [LAC 33:III.5911.C] Install air pollution control facilities whenever practically, economically, and technologically feasible. When facilities have been installed on a property, use them and diligently maintain them in proper working order whenever any emissions are being made which can be controlled by the facilities, even though the ambient air quality standards in affected areas are not exceeded.
- 937 [LAC 33:III.905] Where, upon written application of the responsible person or persons, the administrative authority finds that by reason of exceptional circumstances strict conformity with any provisions of these regulations would cause undue hardship, would be unreasonable, impractical or not feasible under the circumstances, the administrative authority may permit a variance from these regulations. No variance may permit or authorize the maintenance of a nuisance, or a danger to public health or safety.
- 938 [LAC 33:III.917.A] Submit Emission Inventory (E) Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D.
- 939 [LAC 33:III.917.B] Report the unauthorized discharge of any air pollutant into the atmosphere in accordance with LAC 33:III.Chapter 39, Notification Regulations and Procedures for Unauthorized Discharges. Submit written reports to the department pursuant to LAC 33:III.3925. Submit timely and appropriate follow-up reports detailing methods and procedures to be used to prevent similar atmospheric releases.
- 940 [LAC 33:III.919.D]
- 941 [LAC 33:III.927]

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942 [LAC 33:11|929.A]

No person or group of persons shall allow particulate matter or gases to become airborne in amounts which cause the ambient air quality standards to be exceeded.